

# Safety Data Sheet

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



## 43500 Cobalt Yellow

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Revised edition: 01.02.2020

Version: 2

Printed: 12.03.2024

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

#### 1.1. Product Identifier

*Product Name:* Cobalt Yellow

*Article No.:* 43500

*UFI:* --

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

*Identified uses:*  
Pigment in artists colors.

*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:

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### 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

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### 3. Composition/Information on Ingredients

Substance

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3.1.

### 3.2. Mixture

*Chemical Characterization:* Artificial mineral pigment, from cobalt salts and potassium nitrate. 2K3 (Co (NO<sub>2</sub>)<sub>6</sub>) 3H<sub>2</sub>O; Pigment Yellow 40

*Information on Components / Hazardous Ingredients:*

Potassium cobaltinitrate, Pigment Yellow 40 (C.I. 100 % 77357)

CAS-Nr: 13782-01-9

EINECS-Nr: 237-435-2

EC-Nr:

*Additional information:*

## 4. First Aid Measures

### 4.1. Description of the First Aid Measures

*General information:*

*Take affected persons out into the fresh air.*

*After inhalation:*

*Consult physician if symptoms persist.*

*After skin contact:*

*Wash off with water.*

*After eye contact:*

*Rinse open eyes with plenty of water for at least 5 minutes. Seek medical attention if irritation persists.*

*After ingestion:*

*Do NOT induce vomiting. Consult a doctor.*

### 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:*

*All extinguishing agents suitable.*

*Unsuitable extinguishing media:*

*None known.*

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

*Special hazards:*

*Formation of hazardous combustion gases or vapors possible in the event of fire.*

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### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device.*

*Further information:*

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## 6. Accidental Release Measures

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

*Personal precautions:*

*Avoid inhalation of dust.*

### 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.*

### 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:*

*Avoid formation and deposition of dust. Provide adequate ventilation.*

*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 room.*

*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:*

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## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

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*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:*

*Provide adequate ventilation/exhaust system.*

*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:*

*In case of formation of dust/vapor. Particle filter Type P1, EN 143 (solid particles of inert substances).*

*Hand protection:*

*Protective gloves (EN 374)*

*Protective glove material:*

*Eye protection:*

*Recommended in case of extreme dust formation (EN 166).*

*Body protection:*

*Protective clothing.*

*Environmental precautions:*

*Do not allow entering sewerage system.*

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## 9. Physical and Chemical Properties

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

*Form:* powder

*Color:* yellow

*Odor:* odorless

*Odor threshold:*  
no information available

*pH-Value:* 6 - 8

*Melting temperature:*  
not available

*Boiling temperature:*  
not available

*Flash point:*  
not combustible

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*Evaporation rate:*

*not applicable*

*Flammability (solid, gas):*

*not applicable*

*Upper explosion limit:*

*no information available*

*Lower explosion limit:*

*no information available*

*Vapor pressure:*

*not determined*

*Vapor density:*

*Density:*

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

*Solubility in water:*

*insoluble*

*Coefficient of variation (n-Octanol/Water):*

*not determined*

*Auto-ignition temperature:*

*not applicable*

*Decomposition temperature:*

*not determined*

*Viscosity, dynamic:*

*not applicable*

*Explosive properties:*

*not available*

*Oxidizing properties:*

*no information available*

*Bulk density:*

### 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

*The product is stable.*

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### 10.2. Chemical Stability

*Stable 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:*

### 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

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

*Acute Toxicity*

*LD50, oral:*

*No information available*

*LD50, dermal:*

*No information available.*

*LC50, inhalation:*

*No information available.*

*Primary effects*

*Irritant effect on skin:*

*The dust particles can cause mechanical irritation.*

*Irritant effect on eyes:*

*Dust may irritate eyes.*

*Inhalation:*

*Can cause irritation of the respiratory system.*

*Ingestion:*

*Sensitization:*

*May cause sensitization by skin contact.*

*Mutagenicity:*

*No relevant data found.*

*Reproductive toxicity:*

*No relevant data found.*

*Carcinogenicity:*

*No relevant data found.*

*Teratogenicity:*

*No information available.*

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*Specific target organ toxicity (STOT):*

*No relevant data found.*

*Aspiration hazard:*

*No risk of aspiration.*

### 11.2. Information on other Hazards

*No further information available.*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*No toxicity expected.*

*Fish toxicity:*

*Daphnia toxicity:*

*Bacteria toxicity:*

*Algae toxicity:*

### 12.2. Persistency and Degradability

*The product is chemically stable and will persist in the environment.*

### 12.3. Bioaccumulation

*Bioaccumulation is not to be expected.*

### 12.4. Mobility

*Product is not water soluble.*

### 12.5. Results of PBT- und vPvP Assessment

*No data available.*

### 12.6. Endocrine Disrupting Properties

*Not listed.*

### 12.7. 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:*

*Dispose of according to official national and local regulations.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Non-contaminated packaging may be recycled.*

*Waste Code No.:*

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## 14. Transport Information

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14. 1.	<b>UN Number</b>	
	<i>ADR, IMDG, IATA</i>	
14. 2.	<b>UN Proper Shipping Name</b>	
	<i>ADR/RID:</i>	<i>No hazardous goods according to ADR / DOT (US) (land transportation).</i>
	<i>IMDG/IATA:</i>	<i>Not hazardous goods</i>
14. 3.	<b>Transport Hazard Classes</b>	
	<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>not applicable</i>
	<i>Hazard no.:</i>	
	<i>EmS No.:</i>	
	<i>IATA Class:</i>	<i>not applicable</i>
	<i>Hazard no.:</i>	
14. 4.	<b>Packaging Group</b>	
	<i>ADR/RID:</i>	<i>not applicable</i>
	<i>IMDG:</i>	
	<i>IATA:</i>	
14. 5.	<b>Environmental Hazards</b>	<i>None</i>
14. 6.	<b>Special Precautions for User</b>	<i>Not classified as a dangerous good under transport regulations.</i>
14. 7.	<b>Maritime Transport in Bulk according to IMO Instruments</b>	<i>not applicable</i>
14. 8.	<b>Further Information</b>	
<b>15.</b>	<b>Regulatory Information</b>	
15. 1.	<b>Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture</b>	
	<i>Water hazard class:</i>	<i>1, slightly hazardous for water (German Regulation)</i>
	<i>Local regulations on chemical accidents:</i>	
	<i>Employment restrictions:</i>	

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*Restriction and prohibition of application:*

*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

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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.*