

43500 Cobalt Yellow, Aureolin

Revised Edition: 30.08.2007

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Information:

Product Name: Cobalt Yellow, Aureolin
Article Number: 43500
Application: Artists' and Restauration Material

Company: Kremer Pigmente GmbH & Co. KG
Hauptstrasse 41-47, D - 88317 Aichstetten
Tel. +49 7565 91120 Fax. +49 7565 1606
www.kremer-pigmente.de, kremer-pigmente@t-online.de

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization:

$2K_3(\text{Co}(\text{NO}_2)_6) \cdot 3\text{H}_2\text{O}$

C.I.: Pigment Yellow 40
CAS-No.: 13782-01-9
EINECS No.: 237-435-2
Content: 100 %

3. HAZARDS IDENTIFICATION

Hazard labeling:



Xn Harmful

Risk Phrases:

R 20/22: Harmful by inhalation and if swallowed.
R 33: Danger of cumulative effects.

4. FIRST AID MEASURES

After inhalation: Remove patient to fresh air, loosen clothing and seek medical attention. As with any dusty material, excessive and prolonged exposure may result in damage to the lungs.

After eye contact: Wash immediately with copious amounts of water. May cause physical irritation and inflammation.

After skin contact: Wash affected areas with water. The material is not a primary irritant, but as with any abrasive powder, it may give rise to minor irritation.

After ingestion: Do not induce vomiting, seek medical advice. The product is of low solubility in body fluids and is likely to be of low acute toxicity.

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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Suitable for surrounding fire conditions.
Special exposure hazard: none
Personal protective equipment: In case of fire, wear self-contained breathing apparatus. Avoid inhalation of combustion gases.

6. ACCIDENTAL RELEASE MEASURES

Leaks and spills: Use suitable vacuum equipment where reasonably practicable. Otherwise, damp down and scoop into a suitable container.
Personal protective equipment: Wear suitable respiratory protective equipment.

7. HANDLING AND STORAGE

Handling: Do not eat, drink or smoke in areas where the material is used. Wash thoroughly after handling the material.
Storage: Store in a dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Adequate ventilation should be provided so that occupational exposure limits are not exceeded. Local exhaust ventilation is normally recommended.

National occupational exposure limits (UK HSE EH40):

EU Index or EINECS No.		8 hr TWA (mg/m ³)	15 min STEL (mg/m ³)
237-435-2	C.I. Pigment Yellow 40 CoN ₆ O ₁₂ .3K	0.1	-- limit for Co
	Total inhalable dust	10	--
	Respirable dust	4	--

Personal protective equipment:

Respiratory protection: Where local exhaust ventilation is not practicable and exposure is likely to be excessive, approved respiratory protection conforming to CEN standards EN 140, 141, 143, or 149 should be worn. Protective gloves and overalls are recommended for prolonged contact.

Eye protection: Avoid contact with skin and eyes.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	powder
Color:	yellow
Odor:	without
Flash point:	not applicable
Specific density:	3 - 5 g/cm ³
pH-Value:	6 - 8 (insoluble in water)
Explosive properties:	non-explosive
Oxidizing properties:	non-oxidizing

10. STABILITY AND REACTIVITY

Chemical stability:	The material is inert and chemically stable.
Materials/Conditions to avoid:	none known
Hazardous decomposition products:	none known
Hazardous polymerization products:	none

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity:	
LD ₅₀ , Oral, rat:	> 5000 mg/kg
Sensitization:	May cause sensitization by skin contact.
Health effects:	As with any dusty material, prolonged or repeated exposure above Occupational Exposure Standards may cause damage to the lungs.

12. ECOLOGICAL INFORMATION

Persistence:	The product is chemically stable and will persist in the environment
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13. DISPOSAL CONSIDERATIONS

In accordance with current regulations, product may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority - landfill is the most appropriate method.

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14. TRANSPORT INFORMATION

Transport in accordance with ADR/RID-GGVS/GGVE for road/rail, IMDG for sea and ICAO-IATA for air: not classified as hazardous for carriage under the above regulations.

15. REGULATORY INFORMATION

Labelling in accordance with directive 67/548/EEC and subsequent amendments:
Hazard warning labelling required under the above regulations.

Hazard labeling:



Xn Harmful

Risk Phrases:

R 20/22: Harmful by inhalation and if swallowed.

R 33: Danger of cumulative effects.

Safety Phrases:

S 7: Keep containers tightly closed.

S 13: Keep away from food, drink and animal feeding stuffs.

S 20/21: When using do not eat, drink or smoke.

S 23: Do not breathe gas/fumes/vapours/spray.

S 25: Avoid contact with eyes.

16. OTHER INFORMATION

This information, which describes our product with regard to possible safety requirements, is based on the present state of our knowledge and experience. It is given in good faith but no warranty expressed or implied with respect to the quality and properties of our product is made.