



L. CORNELISSEN & SON

Artists' Colourmen

Suppliers of Materials for Painters, Gilders & Printmakers

Safety Data Sheet according to Directive 91/155/EC

Revision Date: June 2013

1) Identification of the substance/preparation and the company

Trade Name: Cornelissen Chrome Pigments. Includes: Chrome Yellow Light, Chrome Yellow Middle, Chrome Yellow Orange.

Application: Artists' Pigment

Manufacturer/Supplier:

L Cornelissen & Son Ltd
105 Great Russell Street
London WC1B 3RY

Tel: 020 7636 1045

Fax: 020 7636 3655

www.cornelissen.com

2) Composition/Information on ingredients

Yellow Lead Chromate Based Pigment: $\text{Pb}(\text{Cr.S})\text{O}_4$

CAS No: 1344-37-2

EINECS No: 215-693-7

3) Hazards Identification

Classification (EC 1272/2008)

Physical and Chemical Hazards: Not classified.

Human health: Carc. 1B - H350; Repr. 1A - H360Df; STOT Rep. 2 - H373

Environment: Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410

Classification (1999/45/EEC)

Carc. Cat. 2; R45, Repr. Cat. 1; R61. Repr. Cat. 3; R62. N; R50/53. R33.

2.2. Label elements

Contains:

Lead Chromate Based Pigment

.



Signal Word: Danger

Hazard Statements

H350: May cause cancer.

H360Df: May damage fertility or the unborn child.

H373: May cause damage to organs through prolonged or repeated exposure.

H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P201: Obtain special instructions before use.

P273: Avoid release to the environment.

P281: Use personal protective equipment as required.

P308+313: IF exposed or concerned: Get medical advice/attention.

P314: Get medical advice/attention if you feel unwell.

P501: Dispose of contents/container to ..

Supplementary Precautionary Statements

P202: Do not handle until all safety precautions have been read and understood.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P391: Collect spillage.

P405: Store locked up.

Supplemental Label Information (EU)

RCH002: Restricted to professional users.

4) First Aid Measures

Eye contact: Continue to rinse for at least 15 minutes and get medical attention.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water.

Inhalation: Unlikely route of exposure as the product does not contain volatile substances. Move the exposed person to fresh air at once. Get medical attention.

Ingestion: Rinse nose, mouth and throat with water. Drink plenty of water. Get medical attention.

5) Fire Fighting Measures

Extinguishing Media: Water spray, foam, dry powder or carbon dioxide.

Unusual fire and explosive hazards: None but in case of fire, lead oxides may be released.

Personal Protective Equipment: Avoid breathing fire vapours. Use breathing apparatus with an independent source of air. If risk of water pollution occurs, notify appropriate authorities.

6 Accidental Release Measures

Leaks and Spills: Avoid formation of dust. Clean up with appropriate personal protective equipment. Damp down and scoop into receptacle.

Personal Protective Equipment: Avoid inhalation of dust. Wear protective clothing as described in Section 8 of this safety data sheet.

7) Handling and Storage

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

Storage: A moderately dry, well ventilated area is considered suitable for handling and storage.

8) Exposure/Personal Protection

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

Respiratory protection: Wear suitable respiratory protection.

Skin protection: Wear suitable protective gloves and clothing.

Eye protection: Use tight fitting goggles if dust is generated.

Hygiene Measures: When using do not eat, drink or smoke. Wash hands after handling. Promptly remove any clothing that becomes contaminated.

9) Physical and chemical Properties

Appearance: Yellow Powder

Odour: None

Boiling point: N/A

Melting point: >800°C

Flash point: N/A.

Ph: 5-7

Solubility: Insoluble in water.

Flammability: N/A.

Extinguishing media: No restriction

10) Stability and Reactivity

Stability: Stable under normal conditions of storage and use.

May react with concentrated acids.

May react with strong alkalis.

May react with strong reducing agents.

11) Toxicological Information

Acute Toxicity: Oral Toxicity: LD50 (rat) > 5g/Kg

Health Effects: Lead chromate pigments are practically insoluble. However, gastric fluid dissolves small quantities of lead which might accumulate in part of human body.

Following long-term intake of lead compounds, the bio synthesis of Hemoglobine may be affected irreversibly.

General Information

EC cat R3 Reproduction-toxic: risk of impaired fertility. EC cat R1 Reproduction-toxic: teratogenic. EC cat C3 Category 3 corresponds to: "Substances which cause concern for man owing to possible carcinogenic effects but in respect of which the information available is not sufficient to make a satisfactory assessment".

12) Ecological Information

Ecotoxicity: Fish toxicity: LC50: > 10,000 mg/l

Daphnia toxicity: EC50: 100 mg/l

Degradability:

Inorganic, water insoluble product. Can be separated in waste water treatment plants by filtration or sedimentation. Highly alkaline or cidic liquids may dissolve heavy metals. Fate in environmental systems - due to its contents of Pd and Cr (VI), any discharges into the environment must be avoided. Special waste water treatment processes are required.

13) Disposal Information

Dispose of waste and residues in accordance with local authority requirements. Pigment component of this material should be disposed of to a licensed waste contractor. Any disposal route for material should comply with local byelaws and the requirements of the Environmental Protection Act, 1990 Contaminated packaging must be emptied of all residues. Unclean empty packaging must be disposed of in the same manner as the pigment product.

14) Transport Information

UN No. (ADR/RID/ADN): 3077

Proper Shipping Name: Environmentally Hazardous substance, powder, N.O.S. (Lead sulfchromate yellow.

ADR/RID/ADN Class: Class 9 - Miscellaneous dangerous substances and articles



ADR/RID/ADN Packing group: III

15) Regulatory Information

Harmful substance. Contains lead and should not be used in household or domestic paint.

Risk Phrases in Full

R33 Danger of cumulative effects.

R45 May cause cancer

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R61 May cause harm to the unborn child

R62 Possible risk of impaired fertility.

Hazard Statements in Full

H350 May cause cancer.

H360Df May damage fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

UK Occupational Exposure Limits:

MEL Cr (VI) 0.05mg/m³- 8Hr TWA (As Cr)

OES Pb (VI) 0.15mg/m³- 8Hr TWA (As Pb)

16) Other information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations.

To best of our knowledge the information contain herein is accurate. However, neither the above supplier assumes any liability whatsoever for the accuracy or completeness of the information herein

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist