



# L. CORNELISSEN & SON

Artists' Colourmen

*Suppliers of Materials for Painters, Gilders & Printmakers*

**Safety Data Sheet** according to Directive 91/155/EC

**Revision Date: August 2013**

## 1) Identification of the substance/preparation and the company

Trade Name: Cornelissen General Pigments (excludes pigments with cobalt, chrome, lead, etc. Includes: Indian Yellow – Tartrazine, Alizarin Violet, Manganese Violet, Ultramarine Violet, Ultramarine Pink, Alizarin Crimson, Coral Red, Quinacridone Magenta, Quinacridone Red, Quinacridone Scarlet, Rose Madder, Vermillion Imitation, Antwerp Blue, Indigo Blue - Genuine, Indigo Blue - Synthetic, Manganese Blue, Oriental Blue, Phthalo Mona Blue, Prussian Blue, Ultramarine Blue Dark, Ultramarine Blue Light, Ultramarine Blue Limewash, Universal Blue, Chromium Oxide, Phthalo Green, Phthalo Turquoise, Viridian Green, Titanium White, Graphite (200 mesh), Carbon Black, Ivory Black, Lamp Black, Mars Black, Spinel Black, Vine Black.

Application: Artists' Pigment

Manufacturer/Supplier:

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[www.cornelissen.com](http://www.cornelissen.com)

## 2) Composition/Information on ingredients

General Non-Harmful Pigments.

Indian Yellow – Tartrazine Monoazo	PY100	CAS No: 12225-21-7
Alizarin Violet Pigment Violet 5:1	PV51 20-35%	CAS No: 1328-04-7
Alumina	60-70%	CAS No: 1344-28-1
Barium Sulphate	<10%	CAS No: 7727-43-7
Surfactant(s)	<10%	
Manganese Violet Manganese Ammonium Pyro Phosphate	PV16	CAS No: 10101-66-3

Ultramarine Violet Sodium Alumino Sulphosilicate	PV15	CAS No: 12769-96-9
Ultramarine Pink Sodium Alumino Sulphosilicate	PR259	CAS No: 12769-96-9
Alizarin Crimson Synthetic Organic Pigment based on Dyestuff Alizarin	PR83	CAS No: 72-48-0
Coral Red Diketopyrrolo Pyrrol	PR255	CAS No: 120500-90-5
Quinacridone Magenta Quinacridone	PR122	CAS No: 980-26-7
Quinacridone Red Quinacridone	PR19	CAS No: 1047-16-1
Quinacridone Scarlet Quinacridone	PR209	CAS No: 3089-16-5
Vermillion Imitation	PR4+PY1+PW21	CAS No: TBC
Rose Madder	NR9	CAS No: TBC
Antwerp Blue CI Pigment Blue 29 Barium Sulphate	PB27+PW22	CAS No: 101357-30-6 CAS No: 7727-43-7
Indigo Blue – Genuine Natural Product	NB1	CAS No: 482-89-3
Indigo Blue – Synthetic CI Vat Blue 1	PB66	CAS No: 482-89-3
Manganese Blue	PB33	CAS No: TBC
Oriental Blue Sodium Alumino Sulphosilicate	PB29	CAS No: 57455-37-5
Phthalo Mona Blue Phthalocyanine (Cu)	PB15:3	CAS No: 147-14-8
Prussian Blue Ferroprusside	PB27	CAS No: 25869-00-5
Ultramarine Blue Dark Sodium Alumino Sulphosilicate Silicic Acid Aluminium Sodium Salt Sulphurised	PB29	CAS No: 57455-37-5 CAS No: 101357-30-6
Ultramarine Blue Light Sodium Alumino Sulphosilicate Silicic Acid Aluminium Sodium Salt Sulphurised	PB29	CAS No: 57455-37-5 CAS No: 101357-30-6
Ultramarine Blue Limewash Sodium Alumino Sulphosilicate Silicic Acid Aluminium Sodium Salt Sulphurised	PB29	CAS No: 57455-37-5 CAS No: 101357-30-6
Universal Blue Sodium Alumino Sulphosilicate Silicic Acid Aluminium Sodium Salt Sulphurised	PB29	CAS No: 57455-37-5 CAS No: 101357-30-6

Chromium Oxide Green Chromium(III)Oxide	PG17	CAS No: 1308-38-9
Phthalo (Mona) Green Phthalocyanine	PG7	CAS No: 1328-53-6
Phthalo Turquoise Phthalocyanine	PB15:3+PG7+PW21 25-50%	CAS No: 147-14-8
Phthalocyanine	10-25%	CAS No: 1328-53-6
Barium Sulphate	25-50%	CAS No: 7727-43-7
Viridian Green	PG18	
Chromic Oxide Dihydrate	92-95%	CAS No: 12001-99-9
Boron Oxide	5-8%	CAS No: 1303-86-2
Titanium White Titanium Dioxide	PW6	CAS No: 1317-80-2
Graphite (200 mesh) Crystallised Carbon	PBk10	CAS No: 7782-42-5
Carbon Black Mogul L Carbon Black	PBk7	CAS No: 1333-86-4
Ivory Black Calcium Phosphate	PBk9 >50%	
Carbon	10-25%	CAS No: 1333-86-4
Calcium Carbonate	2.5-10%	CAS No: 471-34-1
Lamp Black Carbon	PBk6	CAS No: 1333-86-4
Mars Black Iron Oxide	PBk11	CAS No: 1317-61-9
Spinel Black Manganese Ferrite Black	PBk26	CAS No: 68186-94-7
Vine Black Fe <sub>2</sub> O <sub>3</sub>	PBk8 70-80%	CAS No: 1309-38-2
SiO <sub>2</sub>	3-4%	CAS No: 763-86-9
CaO	1-3%	CAS No: 1305-78-8
MgO	0.1%	CAS No: 1309-48-4
Al <sub>2</sub> O <sub>3</sub>	0.2-1%	CAS No: 1344-28-1
FeO	0.3%	

### 3) Hazards Identification

These products are not hazardous to health or the environment according to EU criteria.

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#### **4) First Aid Measures**

Eye contact: Flush eye with flowing water.

Skin contact: Wash with soap & water.

Inhalation: Remove subject to fresh air.

Ingestion: No special measure required.

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#### **5) Fire Fighting Measures**

This product is not flammable and does not produce a toxic effect.

Extinguishing Media: No restriction in fire situations. Avoid use of a solid water stream as it may scatter and spread fire.

Unusual fire and explosive hazards: Large quantities of dust with air may give rise to explosive mixture.

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#### **6 Accidental Release Measures**

Personal precautions: Avoid formation of dust. Clean up with appropriate personal protective equipment.

Environmental precautions: This product is not harmful to the environment.

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#### **7) Handling and Storage**

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

Usual precautions for nuisance dust should be observed.

Take precautionary measures against static discharges.

In case of release or spillage clean up with wetting of material and avoid dusting.

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#### **8) Exposure/Personal Protection**

Respiratory protection: Use mask during work in unventilated and dusty spaces.

Skin protection: Wear suitable protective clothing.

Eye protection: Use safety glasses

Observe OEL limits for inhalable and respirable nuisance dust.

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#### **9) Physical and chemical Properties**

Appearance: Powder

Odour: None

Boiling point: N/A

Melting point:                   General Products:     >1000°C

Coral Red:	>300 °C
Manganese Blue	>300 °C
Prussian Blue	>140°C
Phthalos x 2	>200 °C

Flash point: N/A.

Ph: 4-9

Solubility: Insoluble in water.

Flammability: N/A.

Extinguishing media: No restriction

## 10) Stability and Reactivity

Stability: Stable under normal conditions of storage and use.

Hazardous reactions

Dedusting of powdered pigments is carried out for reasons of industrial health. The dedusting process is not however so extensive that a risk of dust explosion can be ruled out when large quantities are being processed.

None other for these products except:

Manganese Violet: Ammonium salts given off during combustion/decomposition.

Alizarin Crimson, Coral Red, Quinacridones x 3, Phthalo Mona Blue, Phthalo Mona Green: Oxides of carbon and nitrogen given off during combustion/decomposition.

Prussian Blue: ammonia, hydrogen cyanide, dicyanogen and nitrous oxides given off during combustion/decomposition.

Ultramarine Products: React with acids releasing hydrogen sulphide gas.

Viridian Green: A small amount (<0.1%as Cr) of reversion to hexavalent chromium may occur if the dry chromium (III) oxide powder is exposed to elevated temperatures.

## 11) Toxicological Information

The product is not toxic and non-irritating.

Oral Toxicity:

General Products	LD50 (rat)>10g/Kg
Indian Yellow – Tartrazine	LD50 (rat)>2g/Kg
Alizarin Violet	LD50 (rat)>5g/Kg
Manganese Violet	LD50 (rat)>12.9g/Kg
Alizarin Crimson	LD50 (rat)>2g/Kg
Coral Red	LD50 (rat)>5g/Kg
Quinacridones x 3	LD50 (rat)>2g/Kg
Indigo Blue – Genuine	LD50 (rat)>1.2g/Kg
Indigo Blue – Synthetic	LD50 (rat)>5g/Kg
Phthalo Mona Blue	LD50 (rat)>2g/Kg
Prussian	LD50 (rat)>5.1g/Kg

Phthalo (Mona) Green	LD50 (rat)>5g/Kg
Phthalo Turquoise	LD50 (rat)>2g/Kg
Viridian Green	LD50 (rat)>5g/Kg
Carbon Black	LD50 (rat)>8g/Kg
Mars Black	LD50 (rat)>5g/Kg
Spinel Black	LD50 (rat)>2.2g/Kg
Barium Sulphate	LD50 (rat)>2g/Kg

Under extreme conditions mechanical action arising from eye contact (action of dust) may cause slight temporary irritation of the mucosa.

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## 12) Ecological Information

This product is not harmful to the environment.

The product is virtually insoluble in water and thus can be separated from water mechanically in suitable effluent treatment plants.

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## 13) Disposal Information

Examine possibilities for recycling.

Return large quantities to the manufacturer.

Dispose in accordance with all applicable local & national regulations.

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## 14) Transport Information

Not dangerous cargo.

Keep separated from foodstuffs.

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## 15) Regulatory Information

This product is not a substance subject to mandatory marking within EC Directive 67/548/EC.

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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.

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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