L. CORNELISSEN & SON

Artists' Colourmen

Suppliers of Materials for Painters, Gilders & Printmakers

Safety Data Sheet according to Directive 91/155/EC

Revision Date: October 2013

1) Identification of the substance/preparation and the company

Trade Name: Cornelissen Vermillion Genuine

Application: Artists' Solvent

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

Vermillion Genuine

Mercury (II) sulphide red HgS

CI Pigment Red 106

CAS No: 1344-48-5

EC No: 215-696-3

3) Hazards Identification

Classification

Classification according to Regulation (EC) No 1272/2008

Skin sensitization (Category 1)

Label elements

Signal word	Warning

Hazard statement(s)

H317	May cause an allergic skin reaction.

Precautionary statement(s)

P280	Wear protective gloves.

Supplemental Hazard information (EU)

EUH031	Contact with acids liberates toxic gas.

4) First Aid Measures

General advice:	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled:	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Seek medical advice.
In case of skin contact:	Wash off immediately with soap and plenty of water. Seek medical advice.
In case of eye contact:	Rinse immediately with plenty of water as a precaution.
If swallowed:	Clean mouth with water. Never give anything by mouth to an unconscious person. Seek medical advice.

Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Indication of any immediate medical attention and special treatment needed

No data available

5) Fire Fighting Measures

Extinguishing media

Suitable extinguishing media:	Dry powder
Unsuitable extinguishing media:	High volume water jet

Special hazards arising from the substance or mixture

Specific hazards during fire fighting:	Sulphur oxides, Mercury/mercury oxides.

Advice for fire fighters

Special protective equipment for fire fighters:	In the event of fire, wear self-contained breathing apparatus.
Further information:	No data available.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:	Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

Environmental precautions

Environmental precautions:	Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and Materials for Containment and Cleaning Up

Methods and materials:	Pick up and arrange disposal without creating dust. Sweep up and shovel. Do not flush with water. Keep in suitable, closed containers for disposal.
Further information:	For disposal see section 13

7) Handling and Storage

Precautions for Safe Handling

Advice on safe handling:	Keep container tightly closed. Ensure adequate ventilation. Never allow product to get in contact with water during storage. Do not store near acids.
Hygiene measures:	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

8) Exposure/Personal Protection

Control parameters

EU ELV, Time Weighted Average (TWA):	0.02 mg/m³
	Indicative

Exposure Controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection:	Face shield and safety glasses. Use equipment for eye protection tested and approved under EN 166(EU).
Skin protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Body Protection:	Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection:	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards.

9) Physical and chemical Properties

Form:	Solid
Colour:	Red
Odour:	None
Odour Threshold:	N/A
pH:	N/A
Melting point/range:	Melting point/range: 583.5 °C - lit.
Boiling point/boiling range:	584 °C at 1,013 hPa

Flash point:	N/A
Evaporation rate:	N/A
Flammability (solid, gas):	N/A
Upper explosion limit:	N/A
Lower explosion limit:	N/A
Vapour pressure:	N/A
Relative vapour density:	N/A
Relative density:	8.1 g/mL at 25 °C
Density:	0.791 g/cm3 (20 °C)
Water solubility:	Insoluble
Partition coefficient: n-octanol/water:	N/A
Auto-ignition temperature:	N/A
Thermal decomposition:	Currently we do not have any information from our supplier about this.
Viscosity, dynamic:	N/A
Explosive properties:	Currently we do not have any information from our supplier about this.
Oxidizing properties:	Currently we do not have any information from our supplier about this.
Other information	
Bulk density	1.07 g/L

10) Stability and Reactivity

Reactivity:	Contact with acids liberates toxic gas.
Chemical stability:	No information available.
Possibility of hazardous reactions:	No information available.
Conditions to avoid:	Light.
Incompatible materials:	Acids, strong oxidizing agents, halogens, metal oxides.
Hazardous decomposition products:	No information available.

11) Toxicological Information

Information on toxicological effects

Acute toxicity:	no data available
Skin corrosion/irritation:	no data available
Serious eye damage/eye irritation:	no data available
Respiratory or skin sensitization:	May cause allergic skin reaction.

Germ cell mutagenicity:	no data available
Carcinogenicity:	IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Mercury (II) sulphide)
Reproductive toxicity:	no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard:	no data available

Potential health effects

Inhalation:	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed.
Skin:	May be harmful if absorbed through skin. May cause skin irritation.
Eyes:	May cause eye irritation.
Signs and Symptoms of Exposure:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12) Ecological Information

Toxicity:	no data available
Persistence and degradability:	no data available
Bio accumulative potential:	no data available
Mobility in soil:	no data available
Results of PBT and vPvB assessment:	no data available
Other adverse effects:	no data available

13) Disposal Information

Waste Treatment Methods

Product:	Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging:	Dispose of as unused product.

Dispose in accordance with all applicable local & national regulations.

14) Transport Information

Not classified as dangerous.

15) Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture: no data available

Chemical Safety Assessment: no data available

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 sued with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist