



L. CORNELISSEN & SON

Artists' Colourmen

Suppliers of Materials for Painters, Gilders & Printmakers

Safety Data Sheet according to Directive 91/155/EC

Revision Date: November 2013

1) Identification of the substance/preparation and the company

Trade Name: Cornelissen Ferric Chloride.

Application: Artists' Adhesive

Manufacturer/Supplier:

L Cornelissen & Son Ltd
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London WC1B 3RY

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www.cornelissen.com

2) Composition/Information on ingredients

Ferric Chloride

Iron (III) chloride

CAS No: 7705-08-0

EC No: 231-729-4

3) Hazards Identification

Classification

Classification according to Regulation (EC) No 1272/2008

Signal word: Corrosion



GHS05

Signal word: Danger



GHS07

Hazard designation: H314 Causes severe burns and eye damage

H302 Harmful if swallowed

Safety designation: P280 Wear protective gloves, protective clothing, eye protection, face protection.

P305+P351+P338 If in Eyes: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P309 If exposed or you feel unwell.

P310 Immediately seek medical advice.

4) First Aid Measures

General: Instantly remove any clothing soiled by product.

If inhaled: Remove to fresh air. If required, provide artificial respiration. Keep patient warm. Seek medical advice if symptoms persist.

In case of skin contact: Wash off immediately with soap and plenty of water. Seek immediate medical advice.

In case of eye contact: Rinse open eye immediately with plenty of water. Seek medical advice.

If swallowed: Seek medical advice.

Most important symptoms and effects, both acute and delayed:

N/A

Indication of any immediate medical attention and special treatment needed:

N/A

5) Fire Fighting Measures

Extinguishing media

Suitable extinguishing media: Use measures for the surrounding fire.

Special hazards arising from the substance or mixture

Specific hazards during fire fighting: Hydrogen chloride (HCl)

Metal oxide

Advice for fire fighters

Special protective equipment for fire fighters: In the event of fire, wear self-contained breathing apparatus. Wear full protective suit.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Environmental precautions

Environmental precautions: Prevent contamination of soils, drains and surface water.

Methods and Materials for Containment and Cleaning Up

Methods and materials: Use neutralising agent.
Dispose of contaminated material as waste.
Ensure adequate ventilation.

7) Handling and Storage

Precautions for Safe Handling

Advice on safe handling: Handle under dry protective gas.
Keep containers tightly sealed.
Store in a cool dry place in tightly closed containers.
Ensure good ventilation/exhaustion at the workplace.

Safe Storage

Storage conditions: Store away from water.
Store away from strong bases.
Store away from oxidising agents.
Store under dry inert gas.
This product is hygroscopic.
Store sealed containers in a dry, cool, ventilated location.

8) Exposure/Personal Protection

Exposure Controls

Appropriate engineering controls

Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100ft per min.

Control Parameters: Iron (II) chloride (100%)
WEL Short term: 2mg/m³
Long term: 1mg/m³ as Fe

Personal protective equipment

General Follow normal measures in the handling of chemicals.
Keep away from foodstuffs.
Wash hands during breaks and at the end of work.
Remove soiled clothing.

Eye/face protection: Tightly sealed safety glasses.
Full face protection.

Skin protection: Handle with suitable impervious protective gloves. Check gloves before use.

Body Protection: Protective work clothing.

Respiratory protection: Use breathing protection with high concentrations.

9) Physical and chemical Properties

Form: Crystalline
Colour: Black
Odour: None
Odour Threshold: N/A
pH: 1.8
Melting point: 306°C
Boiling point/boiling range: 316°C
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
Density: 2.9 g/m³
Water solubility: 920 g/l Soluble

Auto-ignition temperature:	N/A
Viscosity, dynamic:	N/A
Explosive properties:	N/A

10) Stability and Reactivity

Reactivity:	No information available.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Reacts with strong oxidising agents.
Conditions to avoid:	None under normal conditions.
Incompatible materials:	Water/moisture. Bases Oxidising agents.
Hazardous decomposition products:	Hydrogen chloride (HCl). Metal oxide.

11) Toxicological Information

Information on toxicological effects

Acute toxicity:	Harmful if swallowed. Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of oesophagus and stomach.
Skin corrosion/irritation:	Causes severe skin burns.
Eye irritation:	Causes serious eye damage.
Respiratory or skin sensitization:	No effects known.
Additional toxicological information:	Not fully known.

12) Ecological Information

Persistence and degradability:	No data available
Bio accumulative potential:	No data available
Mobility in soil:	No data available
Water hazard:	Class 1 slightly hazardous for water. Amounts in water will lead to a low pH value which is harmful to aquatic organisms.
Prevent contamination of soils, drains and surface water.	
Ecological effects	
Aquatic toxicity:	No data available

13) Disposal Information

Waste Treatment Methods

Product:	Dispose of product as hazardous waste. Dispose in accordance with all applicable local & national regulations.
Contaminated packaging:	Dispose of as unused product.

14) Transport Information

Land ADR/RID:	Class: 8 Corrosive substances, UN 1773, Packaging Group III
Maritime Transport:	Class: 8 Corrosive substances, UN 1773, Packaging Group III
Air Cargo ICAO-TI and IATA-DGR	Class: 8 Corrosive substances, UN 1773, Packaging Group III



Warning: 8 - corrosive substances.
Kemler No 80
Segregation groups: Acids
Tunnel restriction code: E

15) Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture.

Employment restrictions regarding young persons must be observed.
For use by technically qualified individuals.

Water hazard class: 1, slightly hazardous for water

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