L. CORNELISSEN & SON

Artists' Colourmen

Suppliers of Materials for Painters, Gilders & Printmakers

Safety Data Sheet according to Directive 91/155/EC

Revision Date: March 2016

1) Identification of the substance/preparation and the company

Trade Name: Cornelissen Colophony.

Application: Artists' Resin

Manufacturer/Supplier:

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

Tel: 020 7636 1045
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www.cornelissen.com

2) Composition/Information on ingredients

Colophony

Rosin, Gum Rosin (Xi; R43)

EU Index No: 650-015-00-7

CAS No: 8050-09-7

EC No: 223-475-7

3) Hazards Identification

Classification

Classification according to Regulation (EC) No 1272/2008

GHS Classification Skin sensitization, hazard category 1

Signal word: Warning

Hazard designation:	H317 May cause an allergic skin reaction.
Safety designation:	P302+P352 If on skin: Wash with soap and water.
	P333+P313 If skin irritation or rash occurs, get medical
	Advice/attention.
	P363 Wash contaminated clothing before reuse.
	P280 Wear protective gloves/protective clothing/ eye protection/face protection.

4) First Aid Measures

If inhaled:	Unlikely to be required (lumpy or glassy solid). If dust inhaled remove patient from exposure into fresh air, and keep at rest. Obtain medical aid if symptoms occur.
In case of skin contact:	Remove contaminated clothing and wash affected area thoroughly with soap and water. Skin contact with hot rosin: Immediately immerse or flush the burned area with large amounts of cold water as long as possible (at least 15 minutes) to cool. Do not remove solidified material from burned skin or contaminated clothing as the damaged skin can be torn easily. Keep sterile by covering with clean cotton sheet or gauze. Get prompt medical attention. Report for medical attention if irritation or rash occurs.
In case of eye contact:	Irrigate eyes with eyewash solution or clean water, holding the eyelids apart, for at least fifteen minutes (do not let run-off water contaminate unaffected eye). Obtain medical aid if irritation occurs. Eye contact with hot rosin: Do not open eyelids if covered with rosin. Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.
If swallowed:	Do not induce vomiting. Give patient plenty of water to drink if conscious, keep warm and at rest. If unconscious (for some reason), place/transport patient in secured side recovery position. Obtain immediate medical aid.

Most important symptoms and effects, both acute and delayed:

Inhalation: Unlikely to be exhibited.

Eye contact: May cause irritation (e.g. redness, tears).

Skin contact: May cause irritation (e.g. reddening of skin, itching).

Ingestion: May cause gastric disturbance (e.g. vomiting, diarrhoea, stomach cramps).Indication of any immediate medical attention and special treatment needed:

No special first-aid measures necessary.

5) Fire Fighting Measures

Extinguishing media

Suitable extinguishing media:	Use water spray or mist, foam, dry powder or CO2. Do not use coarse spray or jet due to risk of spreading the burning liquid (molten solid).

Special hazards arising from the substance or mixture: May produce toxic fumes of organic compounds and carbon monoxide.

Specific hazards during fire fighting: None.

Advice for fire fighters

Wear chemical resistant protective clothing and breathing apparatus. If without risk remove packages from exposure to fire (risk of sealed packages e.g. drums exploding). Spay unopened drums with water to keep cool. Prevent solid or molten product and fire-fighting water from contaminating drains or water courses (cover drains or bund area if practicable).

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:	Keep people and animals away. If the accidental release is significant, consider evacuating workplace or exposed area. Wear protective clothing as specified in Section 8.
Environmental precautions	Prevent spilt material or contaminated wash or fire-fighting water entering drains or watercourses – protect drains with covers. Prevent material or clean-up waste from contaminating land. Collect up spillages without delay.

Methods and Materials for Containment and Cleaning Up

Methods and materials:	If material is in the form of small lumps, granules or powder, collect up using spark proof industrial vacuum cleaner with high efficiency filters. Otherwise, collect up using non-metal shovel avoiding formation of dust cloud (dampen solid if necessary if it not to be reused). Absorb/contain spilt hot material with sand or earth (do not use combustible absorbents). Transfer collected material to steel or plastic drum for safe disposal – see Section 13. Subsequently wash down affected area with detergent and water. Prevent chemical or contaminated wash water from entering drains or watercourses.

7) Handling and Storage

Precautions for Safe Handling

Generally handle material in ways which minimise dust build up; where dust formation is likely ensure adequate filtered ventilation and keep all ignition sources away. See UK HSE Guidance HSG 103.

In a materials handling context (e.g. process facility) ensure adequate provision for dust explosion relief on any equipment handling the material in a dry or powdered state. Take precautions against static discharge such as grounding and low vertical drops; tip from plastic bags onto open stainless steel chutes and not into contained/enclosed spaces.

Avoid spillages especially in the presence of oxidising agents, drains and watercourses. Avoid damaging packages. See Section 8 for occupational hygiene and exposure prevention measures.

Safe Storage

Material is a relatively stable combustible organic solid. Store in a designated, well ventilated, dry room or other suitable area at ambient temperatures. Keep segregated from oxidising agents.

8) Exposure/Personal Protection

Exposure Controls

Appropriate engineering controls

Provide adequate ventilation.

Personal protective equipment

Eye/face protection:	Wear safety glasses with side pieces or safety goggles to EN166 or 29 CFR 1910.133.
Skin protection:	Wear chemical resistant protective gloves (e.g. rubber, neoprene, butyl, PVC or nitrile) to EN374. Do not wear heavily contaminated or damaged gloves, and decontaminate before removal. Check condition regularly, especially for abrasion damage. Wear standard workplace protective clothing (e.g. laboratory coat, washable or disposable overalls, protective footwear).
Body Protection:	Remove overalls and personal protective equipment before eating, drinking or smoking and before entering office, eating or other 'clean' areas. Wash hands immediately after any contact with chemical. Contaminated clothing and personal protective equipment should be cleaned before removal where practicable and before re-use; if not possible it should be disposed of as chemical waste (see Section 13).
Respiratory protection:	Depending upon workplace/incident circumstances use filtering respirator with filter cartridge Type P3 (Particulates) or breathing apparatus – see note below for types available. In an emergency or where the

concentration of dust is unknown but could be high use clean air supplied breathing apparatus. Do not use a filtering respirator in: atmospheres containing <19.5% oxygen; poorly ventilated areas; confined spaces; when concentration of dust is unknown, is 'immediately dangerous to life or health' or is above any workplace exposure limit; for fire-fighting.

9) Physical and chemical Properties

Form:	Solid
Colour:	Light or pale yellow
Odour:	Faint
pH:	N/A
Melting point:	66.5-93.4°C
Boiling point/boiling range:	N/A
Flash point:	N/A
Evaporation rate:	N/A
Flammability (solid, gas):	Combustible but not flammable
Upper explosion limit:	N/A
Lower explosion limit:	N/A
Vapour pressure:	5.33 kPa
Relative vapour density:	N/A
Density:	N/A
Water solubility:	Virtually insoluble
Solubility in solvents:	Soluble in some solvents.
Partition coefficient n-octanol/water: 1.5 to >6 depending on source	
Auto-ignition temperature:	N/A
Thermal decomposition:	No data.
Viscosity, dynamic:	No data.
Explosive properties:	N/A
Oxidizing properties:	None.

10) Stability and Reactivity

Reactivity:	Not reported to be particularly reactive under normal circumstances. Can react with oxidising agents and may ignite.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	May react with oxidisers.
Conditions to avoid:	Those generally applicable to organic chemicals (e.g. heat).
Incompatible materials:	Oxidising agents.
Hazardous decomposition products:	None expected in a use, storage or spillage situation (see Section 5 for fire-related hazards).

11) Toxicological Information

Information on toxicological effects	Low toxicity.
Skin corrosion/irritation:	Slight irritant effect.
Eye irritation:	Not irritant.
Respiratory or skin sensitization:	Avoid inhalation of dust.

12) Ecological Information

Persistence and degradability:	No data available
Bio accumulative potential:	No data available
Mobility in soil:	No data available
Ecological effects	
Aquatic toxicity:	No data available

13) Disposal Information

Waste Treatment Methods

Product:	Re-use uncontaminated material if possible; otherwise dispose of at a licensed waste disposal site capable of accepting chemical waste in compliance with local regulations. The preferred method of disposal of this organic solid at such facilities is incineration at >1100°C with a minimum residence time of 13 seconds, with off-gas scrubbing. Do not allow material to contaminate ground, watercourses, sewers or drains
Contaminated packaging:	Contaminated packaging may be disposed of at an approved landfill site in compliance with local regulations. Uncontaminated packaging should normally be reused.

14) Transport Information

Not classified as dangerous.

15) Regulatory Information

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

(UK) The substance is subject to the Control of Substances Hazardous to Health Regulations 1999 and the Dangerous Substances and Explosive Atmospheres Regulations 2002.

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