



L. CORNELISSEN & SON

Artists' Colourmen

Suppliers of Materials for Painters, Gilders & Printmakers

Safety Data Sheet according to Directive 91/155/EC

Revision Date: October 2016

1) Identification of the substance/preparation and the company

Trade Name: Cornelissen Lead Tin Yellow, Dark and Light

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) Hazards Identification

Label elements

CAS number: 12036-31-6



Signal word:

Danger

Hazard statement

H302

Harmful if swallowed.

H332

Harmful if inhaled.

H360

May damage fertility of unborn child.

H373

May cause damage to organs through prolonged or repeated exposure.

H410

Very toxic to aquatic life with long lasting effects.

Precautionary statement

P260	Do not breathe dust/fume/gas/mist/vapours or spray.
P281	Use personal protective equipment as required.
P304 /340	If inhaled: Remove to fresh air and keep at rest in a position comfortable for breathing.
P405	Store in a locked room.
P501	Dispose of contents / container in accordance with regional, national and. international regulations.

Other hazards

Post-natal exposure of children to inorganic lead compounds is associated with adverse effects on neurobehavioural development.

3) Composition/Information on ingredients

Substances

Product name:	Lead Tin Yellow
Chemical name:	Lead Tin Silicate. $\text{Pb}(\text{Sn},\text{Si})\text{O}_3$
REACH registration number:	N/A
CAS number:	12036-31-6
EC number:	N/A
Composition comments:	

4) First Aid Measures

Description of first aid measures

General information:	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
Inhalation:	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Get medical attention.
Ingestion:	Rinse mouth thoroughly with water. Get medical attention immediately.
Skin contact:	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse with water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.
Protection of first aiders:	First aid personnel should wear appropriate protective equipment during any rescue.

Most important symptoms and effects, both acute and delayed

General information:	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation:	A single exposure may cause the following adverse effects: Headache. Exhaustion and weakness. Prolonged or repeated exposure may cause the following adverse effects: Suspected of causing cancer.
Ingestion:	May cause discomfort if swallowed. Stomach pain. Nausea, vomiting. Prolonged or repeated exposure may cause the following adverse effects: Suspected of causing cancer. Anaemia.
Skin contact:	Prolonged contact may cause dryness of the skin. Prolonged or repeated exposure may cause the following adverse effects: Suspected of causing cancer.
Eye contact:	No specific symptoms known. May be slightly irritating to eyes.

Indication of any immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically. Symptoms of poisoning may occur after several hours; therefore medical observation for at least 48 hours after the accident is recommended. In case of ingestion, induced vomiting or application of laxatives may be appropriate; treat as for lead poisoning. There needs to be regular blood monitoring to confirm exposure controls are adequate.

5) Fire Fighting Measures

Suitable extinguishing media:	Carbon dioxide (CO ₂). Powder. Water spray.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	
Specific hazards:	The product is non-combustible.
Hazardous combustion products:	Toxic gases or vapours.
Special protective equipment and precautions for firefighters:	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Avoid generation and spreading of dust. Use suitable respiratory protection if ventilation is inadequate. For personal protection, see Section 8.

Environmental precautions

Do not discharge into drains or watercourses or onto the ground. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Provide adequate ventilation. Collect and place in suitable waste disposal containers and seal securely. This material and its container must be disposed of as hazardous waste.

Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

7) Handling and Storage

Precautions for safe handling

Usage precautions:

Provide adequate ventilation. Handle and open container with care. Use suitable respiratory protection if ventilation is inadequate. The product is not flammable.

Conditions for safe storage, including any incompatibilities

Storage precautions Keep container tightly sealed when not in use. Store in a dry place.

Specific end use(s)

Artists' pigment

8) Exposure/Personal Protection

Control parameters

N/A

Exposure controls

Protective equipment



Eye/face protection

Dust-resistant, chemical splash goggles.

Hand protection:

Wear protective gloves made of the following material: Neoprene. Leather.

Other skin and body protection:

Wear protective clothing. Change work clothing daily before leaving workplace. Contaminated work clothing should not be allowed out of the workplace.

Hygiene measures:

Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash after use and before eating, smoking and using the toilet. Care should be taken to avoid contact with contaminants when removing contaminated clothing. Take off contaminated clothing and wash it before reuse. Clean equipment and the work area every day.

9) Physical and chemical Properties

Information on basic and physical and chemical properties

Appearance	Powder.
Colour	Yellow.
Odour	Odourless.
Melting point	Not applicable.
Flash point	Not applicable.
Flammability (solid, gas)	The product is non-combustible.
Solubility in water	Insoluble.
Explosive properties	Not considered to be explosive.
Oxidising properties	No information available.
Density	6.0 g/cm ³

Other information

Particle size	5 - 2000 µm
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10) Stability and Reactivity

Reactivity:	There are no known reactivity hazards associated with this product.
Chemical stability:	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions:	No information available.
Conditions to avoid:	No information available.
Incompatible materials:	No information available.
Hazardous decomposition products:	Does not decompose when used and stored as recommended.

11) Toxicological Information

Information on toxicological effects

Acute Toxicity.

LD 50.Oral.	No information available.
LD.50 Dermal.	No information available.
LC.50 Inhalation.	No information available.
Irritant to skin.	Non-irritating (rabbit)
Irritant to eyes.	Non-irritating (rabbit)
Inhalation.	No information available.
Ingestion.	No information available.

Reproductive toxicity.
Mutagenicity.
Specific target organ toxicity.

Risk of impairing human fertility.
Lead - no detailed information available.
Repeated exposure may cause damage to organs.

12) Ecological Information

Aquatic toxicity	Toxic for aquatic organisms. May cause long term adverse effects in the aquatic environment.
Persistence and Degradability.	Lead may be dissolved in acid or alkaline liquids.
Bioaccumulation.	The product contains lead, thus any exposure to the environment must be eliminated.
Other adverse effects	
Water Hazard class.	3. Hazardous.

13) Disposal Information

Waste treatment methods

General information	Dispose of waste product or used containers in accordance with local regulations
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14) Transport Information

UN number

UN No. (ADR/RID)	2291
UN No. (IMDG)	2291
UN No. (ICAO)	2291
UN No. (ADN)	2291

UN proper shipping name

Proper shipping name (ADR/RID)	2291	Lead Tin Silicate.
Proper shipping name (IMDG)	2291	Lead Tin Silicate.
Proper shipping name (ICAO)	2291	Lead Tin Silicate.
Proper shipping name (ADN)	2291	Lead Tin Silicate.

Transport hazard class(es)

ADR/RID class	6.1
ADR/RID classification code	T5
ADR/RID label	6.1
IMDG class	6.1
ICAO class/division	6.1
ADN class	6.1

Transport labels



Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

15) Regulatory Information

Water hazard class

3 - Very hazardous for water.

Chemical Safety Assessment

N/A

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