



**Safety Data Sheet  
according to WHS Regulations**

Printing date 01.02.2021

Version number 4

Revision: 01.02.2021

Hazardous according to criteria of Australian Safety and Compensation Council.

## 1 Identification

· **Product identifier**

· **Trade name:** **Preciano conductive silver lacquer airbrush**

· **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.

· **Application of the substance / the mixture** Electroplating auxiliary

· **Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Kulzer Australia Pty Ltd  
Unit 20, 53 Lorraine Street  
Peakhurst, NSW 2210  
Australia

Tel: +61 (0) 2 9153 0311

· **Informing department:** see above

· **Emergency telephone number:**

Poison Information Number: Australia 13 11 26 & New Zealand 0800 764 766

## 2 Hazard(s) Identification

· **Classification of the substance or mixture**

Unst. Expl. H200 Unstable explosives.

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

STOT SE 3 H336 May cause drowsiness or dizziness.

· **Label elements**

· **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS01 GHS02 GHS07

· **Signal word** Danger

· **Hazard statements**

Unstable explosives.

Highly flammable liquid and vapour.

May cause drowsiness or dizziness.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Use explosion-proof electrical/ventilating/lighting equipment.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Store locked up.

· **Other hazards** -

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.



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### 3 Composition and Information on Ingredients

· **Chemical characterisation: Mixtures**

· **Description: -**

· **Dangerous components:**

CAS: 107-98-2 EINECS: 203-539-1	1-methoxypropan-2-ol Flam. Liq. 3, H226; STOT SE 3, H336	50-75%
CAS: 64-17-5 EINECS: 200-578-6	ethanol Flam. Liq. 2, H225	10-25%
CAS: 9004-70-0	cellulose nitrate Flam. Sol. 1, H228	5-10%
CAS: 141-78-6 EINECS: 205-500-4	ethyl acetate Flam. Liq. 2, H225; Eye Irrit. 2A, H319; STOT SE 3, H336	0-5%

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

### 4 First Aid Measures

· **Description of first aid measures**

· **After inhalation** Supply fresh air; consult doctor in case of symptoms.

· **After skin contact** Instantly wash with water and soap and rinse thoroughly.

· **After eye contact**

Rinse opened eye for several minutes under running water. Then consult doctor.

· **After swallowing**

Rinse out mouth and then drink plenty of water.

In case of persistent symptoms consult doctor.

· **Information for doctor**

· **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Fire Fighting Measures

· **Extinguishing media**

· **Suitable extinguishing agents**

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

· **For safety reasons unsuitable extinguishing agents** Water with a full water jet.

· **Special hazards arising from the substance or mixture**

Can form explosive gas-air mixtures.

Carbon monoxide (CO)

· **Advice for firefighters**

· **Protective equipment:**

Wear self-contained breathing apparatus.

Wear full protective suit.

· **Additional information -**

### 6 Accidental Release Measures

· **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

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- **Environmental precautions:**  
Do not allow to enter the ground/soil.  
Prevent material from reaching sewage system, holes and cellars.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (diatomite, universal binders, for small amounts tissues).  
Send for recovery or disposal in suitable containers.
- **Reference to other sections**  
See Section 13 for information on disposal.  
See Section 8 for information on personal protection equipment.
- 

## 7 Handling and Storage

- **Handling**
  - **Precautions for safe handling**  
Wear protective equipment. Keep unprotected persons away.  
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).  
Avoid splashes or spray in enclosed areas.
  - **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
  - **Storage**
    - **Requirements to be met by storerooms and containers:** Store in cool location.
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed containers.  
Store container in a well ventilated position.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

· <b>Components with critical values that require monitoring at the workplace:</b>	
<b>107-98-2 1-methoxypropan-2-ol</b>	
NES (Australia)	Short-term value: 553 mg/m <sup>3</sup> , 150 ppm Long-term value: 369 mg/m <sup>3</sup> , 100 ppm
REL (USA)	Short-term value: 540 mg/m <sup>3</sup> , 150 ppm Long-term value: 360 mg/m <sup>3</sup> , 100 ppm
TLV (USA)	Short-term value: 553 mg/m <sup>3</sup> , 150 ppm Long-term value: 369 mg/m <sup>3</sup> , 100 ppm
<b>64-17-5 ethanol</b>	
NES (Australia)	1880 mg/m <sup>3</sup> , 1000 ppm
PEL (USA)	1900 mg/m <sup>3</sup> , 1000 ppm
REL (USA)	1900 mg/m <sup>3</sup> , 1000 ppm
TLV (USA)	Short-term value: 1880 mg/m <sup>3</sup> , 1000 ppm

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**141-78-6 ethyl acetate**

NES (Australia) Short-term value: 1440 mg/m<sup>3</sup>, 400 ppm  
Long-term value: 720 mg/m<sup>3</sup>, 200 ppm

PEL (USA) 1400 mg/m<sup>3</sup>, 400 ppm

REL (USA) 1400 mg/m<sup>3</sup>, 400 ppm

TLV (USA) 1440 mg/m<sup>3</sup>, 400 ppm

**· DNELs**

**64-17-5 ethanol**

Oral	ge.pop., l.te, syst.	87 mg/Kg (nd)
Dermal	worker profess., l.te., syst.	343 mg/Kg/d (nd)
	ge.pop., acu., local	950 mg/Kg/d (nd)
	ge.pop., l.te, syst.	206 mg/Kg/d (nd)
Inhalative	worker profess., acute, local	1900 mg/m <sup>3</sup> (nd)
	worker profess., l.te., syst.	1900 mg/m <sup>3</sup> (nd)
	ge.pop., acu., local	950 mg/m <sup>3</sup> (nd)
	ge.pop., l.te, syst.	114 mg/m <sup>3</sup> (nd)

**· PNECs**

**64-17-5 ethanol**

freshwater	0.96 mg/l (nd)
marine water	0.79 mg/l (nd)
STP	580 mg/l (nd)
sedim., dw, fre.wat.	3.6 mg/Kg (nd)
soil,dw	0.63 mg/Kg (nd)

**· Additional information:** The lists that were valid during the compilation were used as basis.

**· Exposure controls**

**· Personal protective equipment**

**· General protective and hygienic measures**

Wash hands during breaks and at the end of the work.

**· Breathing equipment:** Not required.

**· Protection of hands:**

Check protective gloves prior to each use for their proper condition.  
recommended

**· Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**· Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**· For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

Butyl rubber, BR  
Nitrile rubber, NBR

**· Eye protection:** Safety glasses

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**Trade name: Preciano conductive silver lacquer airbrush**· **Body protection:** Light weight protective clothing

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**9 Physical and Chemical Properties**· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**· **Form:**

Fluid

· **Colour:**

Silver-coloured

Grey

· **Smell:**

Characteristic

· **Odour threshold:**

Not determined.

· **pH-value:**

Not determined.

· **Change in condition**· **Melting point/freezing point:**

Not determined

· **Initial boiling point and boiling range:**

Not determined

· **Flash point:**

12 °C

· **Inflammability (solid, gaseous)**

Not applicable.

· **Ignition temperature:**

278 °C

· **Decomposition temperature:**

Not determined.

· **Self-inflammability:**

Product is not selfigniting.

· **Explosive properties:**

Product is not explosive. However, formation of explosive air/vapour mixtures is possible.

· **Critical values for explosion:**· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Steam pressure at 50 °C:**

150 hPa

· **Density at 20 °C**1,4 g/cm<sup>3</sup>· **Relative density**

Not determined.

· **Vapour density**

Not determined.

· **Evaporation rate**

Not determined.

· **Solubility in / Miscibility with**· **Water:**

Not miscible or difficult to mix

· **Partition coefficient: n-octanol/water:**

Not determined.

· **Viscosity:**· **dynamic:**

Not determined.

· **kinematic:**

Not determined.

· **Other information**

No further relevant information available.

**10 Stability and Reactivity**· **Reactivity** No further relevant information available.· **Chemical stability**· **Conditions to be avoided:** No decomposition if used and stored according to specifications.· **Possibility of hazardous reactions**

Forms explosive gas mixture with air

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- Reacts with oxidizing agents
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** None
- **Additional information:** -

## 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

- **LD/LC50 values that are relevant for classification:**

### 107-98-2 1-methoxypropan-2-ol

Oral	LD50	5000 mg/kg (rat)
Dermal	LD50	13500 mg/kg (rabbit)

### 64-17-5 ethanol

Oral	LD50	6200 mg/kg (rat)
Inhalative	LC50/4 h	95.6 mg/l (rat)

### 141-78-6 ethyl acetate

Oral	LD50	5600 mg/kg (rat)
Dermal	LD50	18000 mg/kg (rabbit)
Sensitisation	Sensib.	nicht sensibil. (guinea pig) (OECD-Prüfrichtlinie 406)

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritant effect.
- **Respiratory or skin sensitisation** No sensitizing effect known.

## 12 Ecological Information

- **Toxicity**

- **Aquatic toxicity:**

### 141-78-6 ethyl acetate

EC50/48h	3300 mg/l (algae)
	717 mg/l (daphnia) (DIN 38412)
LC50/96h	230 mg/l (fish)

- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Avoid transfer into the environment.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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**13 Disposal considerations**

· **Waste treatment methods**

· **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

· **UN-Number**

· **ADG, IMDG, IATA**

1993

· **UN proper shipping name**

· **ADG**

1993 FLAMMABLE LIQUID, N.O.S., special provision 640D (ETHANOL (ETHYL ALCOHOL), ETHYL ACETATE)

· **IMDG, IATA**

FLAMMABLE LIQUID, N.O.S. (ETHANOL, ETHYL ACETATE, Solution)

· **Transport hazard class(es)**

· **ADG**



· **Class**

3 (F1) Flammable liquids.

· **Label**

3

· **IMDG, IATA**



· **Class**

3 Flammable liquids.

· **Label**

3

· **Packing group**

· **ADG, IMDG, IATA**

II

· **Environmental hazards:**

· **Marine pollutant:**

No

· **Special precautions for user**

Warning: Flammable liquids.

· **Kemler Number:**

33

· **EMS Number:**

F-E, S-E

· **Transport in bulk according to Annex II of  
Marpol and the IBC Code**

Not applicable.

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- |  |  |
|--|--|
| · <b>Transport/Additional information:</b> | -  |
| · <b>UN "Model Regulation":</b>            | UN1993, FLAMMABLE LIQUID, N.O.S., special provision 640D (ETHANOL (ETHYL ALCOHOL), ETHYL ACETATE), 3, II |

**15 Regulatory information**

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

- **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

- **Hazard pictograms**



GHS01 GHS02 GHS07

- **Signal word** Danger

- **Hazard statements**

Unstable explosives.

Highly flammable liquid and vapour.

May cause drowsiness or dizziness.

- **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Use explosion-proof electrical/ventilating/lighting equipment.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Store locked up.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H228 Flammable solid.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Unst. Expl.: Explosives – Unstable explosive  
Flam. Liq. 2: Flammable liquids – Category 2  
Flam. Liq. 3: Flammable liquids – Category 3  
Flam. Sol. 1: Flammable solids – Category 1  
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
\* **Data compared to the previous version altered.**

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