

## SAFETY DATA SHEET

According to Regulation (EC) No. 453/2010

Version 6, Revision Date 11.09.2020

Print Date 12.09.2020

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

Product name : Sealing Lacquer

Brand : Spa Plating

REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Silver based suspension for producing conductive films.

#### 1.3 Details of the supplier of the safety data sheet

Company : Spa Plating Ltd  
28 Chaucer Road  
Bath, Somerset UK

Telephone : +44 (0)1225 329 463

Fax : +44 (0)1225 329 463

E-mail address : info@goldn.co.uk

#### 1.4 Emergency telephone number

Emergency Phone # : +44 (0)1225 329 463

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

Flammable liquids (Category 3), H226  
Acute toxicity, Inhalation (Category 4), H302  
Acute toxicity, Dermal (Category 4), 312  
Skin irritation (Category 2), H315  
Toxic to aquatic life with long lasting effects

#### 2.2 Label elements

##### Labelling according Regulation (EC) No 1272/2008



Pictogram

Signal word

Warning

Hazard statement(s)

H226 Flammable liquids (Category 3)  
H332 Acute toxicity, Inhalation (Category 4)  
H312 Acute toxicity, Dermal (Category 4), H312  
H315 Skin irritation (Category 2), H315  
H412 Harmful to aquatic life with long lasting effects (Category 2), H412

Precautionary statement(s)

P261

P305 + P351 + P338

Avoid breathing vapours.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements

none

### 2.3 Other hazards - none

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients according to Regulation (EC) No 1272/2008

| Component                                       | Classification | Concentration   |
|---|----------------|---|
| <b>Xylenes</b>                                  |                |   |
| CAS No.   | 1330-20-7      | Flam. Liq. 3; Acute Tox. 4; Skin Irrit. 2; H226, H312 + H332, H315  |
| EC-No.  | 215-535-7      |   |
| Index-No.                                       | 601-022-00-9   |   |
| <b>N-Butyl Acetate</b>                          |                |   |
| CAS No.   | 123-86-4       | Flam. Liq. 3; Acute Tox. 4; Skin Irrit. 2; H226, H336   |
| EC-No.  | 204-658-1      |   |
| Index-No.                                       | 607-025-00-1   |   |
| <b>Naphtha Hydrotreated Heavy</b>               |                |   |
| CAS No.   | 64742-48-9     | Flam. Liq. 3; Acute Tox. 1; H226, H304, H335, H336, EUH066  |
| EC-No.  | 265-150-3      |   |
| Index-No.                                       | 649-327-00-6   |   |
| <b>1,2,4-Trimethylbenzene</b>                   |                |   |
| CAS No.   | 95-63-6        | Flam. Liq. 3; Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; Aquatic Chronic 2; H226, H315, H319, H332, H335, H411 |
| EC-No.  | 202-436-9      |   |
| Index-No.                                       | 601-043-00-3   |   |
| <b>Solvent naphtha (petroleum), light arom.</b> |                |   |
| CAS No.   | 64742-95-6     | Flam. Liq. 3; Acute Tox. 1; H226, H304, H335, H336, EUH066  |
| EC-No.  | 265-199-0      |   |
| Index-No.                                       | 649-356-00-4   |   |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

#### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

no data available

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**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Carbon oxides.

**5.3 Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

Use water spray to cool unopened containers.

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**SECTION 6: Accidental release measures**

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

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Evacuate personnel to safe areas.

For personal protection see section 8.

**6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**6.3 Methods and materials for containment and cleaning up**

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

**6.4 Reference to other sections**

For disposal see section 13.

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**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

For precautions see section 2.2.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Components with workplace control parameters**

**8.2 Exposure controls**

**Appropriate engineering controls**

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

## Personal protective equipment

### Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or 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.

#### Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

#### Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must

be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

### 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 respirator with multi-purpose combination (US) or type ABEK (EN 14387) 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 such as NIOSH (US) or CEN (EU).

### Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- |                           |                                |
|---------------------------|--------------------------------|
| a) Appearance             | Liquid: Metallic silver colour |
| b) Odour                  | Characteristic                 |
| c) Odour Threshold        | no data available              |
| d) pH                     | no data available              |
| e) Melting point/freezing | -45°C                          |

point

- |   |   |
|---|---|
| f) Initial boiling point and boiling range      | Lowest known value is 140°C (*Xylene). Weighted average: 149.6°C    |
| g) Flash point                                  | The lowest known value is CLOSED CUP: 25°C (77°F). (*Xylene)        |
| h) Evaporation rate                             | no data available   |
| i) Upper/lower flammability or explosive limits | The greatest known LOWER: 1.1% UPPER: 8.1% (*Cyclohexanone)         |
| j) Flammability (solid, gas)                    | no data available   |
| k) Vapour pressure                              | The highest known value is 1.3 kPa (@ 20°C) (*Cyclohexanone).       |
| l) Vapour density                               | 4.15 (Air = 1) (Trimethylbenzene). Weighted average: 3.67 (Air = 1) |
| m) Relative density                             | 1.7 g/ml  |
| n) Water solubility                             | Not soluble   |
| o) Partition coefficient: n-octanol/water       | no data available   |
| p) Auto-ignition temperature                    | The lowest known value is 420°C (788°F) (*Cyclohexanone)            |
| q) Decomposition temperature                    | no data available   |
| r) Viscosity                                    | not known   |
| s) Explosive properties                         | no data available   |
| t) Oxidising properties                         | no data available   |

## 9.2 Other safety information

no data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

no data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

Heat, flames and sparks. Extremes of temperature and direct sunlight.

### 10.5 Incompatible materials

Oxidising agents

### 10.6 Hazardous decomposition products

Other decomposition products - no data available

In the event of fire: see section 5

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## SECTION 11: Toxicological information

### 11.1 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 sensitisation**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**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

**Additional Information**

None

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**SECTION 12: Ecological information****12.1 Toxicity**

no data available

**12.2 Persistence and degradability**

no data available

**12.3 Bioaccumulative potential**

no data available

**12.4 Mobility in soil**

no data available

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**12.6 Other adverse effects**

no data available

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**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

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**SECTION 14: Transport information****14.1 UN number**

ADR/RID: 1263

IMDG: 1263

IATA: 1263

**14.2 UN proper shipping name**

ADR/RID: Paint

IMDG: Paint

IATA: Paint

**14.3 Transport hazard class(es)**

ADR/RID: -

IMDG: 3

IATA: 3

**14.4 Packaging group**

ADR/RID: -

IMDG: II

IATA: II

**14.5 Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

**14.6 Special precautions for user**

no data available

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**SECTION 15: Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

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

no data available

**15.2 Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out.

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**SECTION 16: Other information****Further information**

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge

and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Spa Plating Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.