

# Cleaning agent R 5899

- Cleaning agent for 1-pack and 2-pack circuit printing coatings
- particularly suitable for screen washing and curtain coating equipment, very high flash point
- no VOCs (volatile organic compounds) as per EU directive 1999/13/EC
- not classified according to CLP Regulation (EC) No 1272/2008, easily biodegradable as per OECD test 301 A

## Characteristics

Colour/appearance/odour	colourless/low odour
Density at 20 °C [68 °F], DIN 51757	1.09 ± 0.02 g/cm <sup>3</sup>
Flash point, DIN 53213, part 1	> 100 °C
Vapour pressure at 20 °C [68 °F]	0.008 kPa (0.08 hPa)
Evaporation Index, DIN 53 170 (Ether = 1)	900

Index R = cleaning agent

## Processing



Please read this technical report and the publications listed below carefully before using the product. These sheets are enclosed with the first shipment of product or sample.

### MSDS

The corresponding material safety data sheet contains detailed information and characteristics on safety precautions, environmental protection, transport, storage, handling and waste disposal.

### TI

[Technical information TI 15/3](#) "Protective measures when using chemicals including lacquers, casting compounds, thinners, cleaning agents"

- Test the resistance of the materials that will be in contact with **R 5899**, such as gaskets.
- Do not use cleaning agent to clean hands.
- Wear skin protective gloves and use hand cream as all solvents extract grease from the human skin.

## Safety recommendations

- When using chemicals, the common precautions should be carefully noted.
- Ensure that extractor units of workplace ventilation arrangements are positioned at solvent source level.

## Screen cleaning

Owing to the low vapour pressure the cleaning agent **R 5899** does not fully evaporate at room temperature. Drying should be completed by using appropriate dryers/blowers.

## Cleaning of ink processing equipment

- Rinse equipment thoroughly with the thinner that corresponds to the old coating; discharge thinner
- Rinse equipment thoroughly with cleaning agent; discharge cleaning agent.
- Rinse equipment thoroughly with the thinner that corresponds to the new coating; discharge thinner.

## Cleaning of tools

Liquid coating residues on tools can be removed by means of cleaning agent **R 5899**. The cleaning agents of the series **R 5800** are suitable for removing cured and dried coating residues.

## Recycling of used cleaning agents

Any cleaning agent contaminated with coating can be distilled and used again. Owing to the high boiling point ( $> 200\text{ }^{\circ}\text{C}$ ) we recommend the vacuum distillation method

- Always add a certain quantity of fresh cleaning agent (min. 30%) to the distillate.
- Perform pre-trials to ensure a good cleaning effect.

## Packaging

The packing units available are indicated in our offer which we will send you upon request.

## Shelf life and storage conditions



Shelf life: In sealed original containers at least 24 months



Storage conditions:  $+5\text{ }^{\circ}\text{C}$  to  $+25\text{ }^{\circ}\text{C}$  [ $+41\text{ }^{\circ}\text{F}$  to  $+77\text{ }^{\circ}\text{F}$ ]

For warehousing reasons, isolated cases may occur where the shelf life upon shipment is less than the shelf life indicated in this technical report. However, it is ensured that our products have **at least** two-thirds of their shelf life remaining when they leave our company. Labels on containers show shelf life and storage conditions.

## Disclaimer

All descriptions and images of our goods and products contained in our technical literature, catalogues, flyers, circular letters, advertisements, price lists, websites, data sheets and brochures, and in particular the information given in this literature are non-binding unless expressly stated otherwise in the Agreement. This shall also include the property rights of third parties if applicable.

The products are exclusively intended for the applications indicated in the corresponding technical data sheets. The advisory service does not exempt you from performing your own assessments, in particular as regards their suitability for the applications intended. The application, use and processing of our products and of the products manufactured by you based on the advice given by our Application Technology Department are beyond our control and thus entirely your responsibility. The sale of our products is effected in accordance with our current terms of sale and delivery.

Any questions? We would be pleased to offer you advice and assistance in solving your problems. Samples and technical literature are available upon request.

**peters**  
Coating Innovations  
for Electronics