

Special Stripper HP 5710

The Special Stripper **HP 5710** is an alkaline stripper for removing photoimageable solder resists and cleaning developing and resist stripper units.

In its concentrated form, **HP 5710** is used to remove completely photoimageable solder resists (e.g. **Elpemer®** of the series **2467 and 2469**) from rejected printed circuit boards, e.g. in case of faulty exposure.

The stripping process can be carried out after exposure or where necessary after curing of the solder resist. Solder resists are significantly more difficult to remove after they have been thermally cured than prior to thermal curing; therefore a careful visual control after development is recommended.

Copper or lead/tin tracks are not attacked, and FR4 base material is generally attacked only after an exposure time of more than 30 min. **HP 5710** is not suitable for flexible base materials.

→ Check all substrates for their resistance.

HP 5710 is extremely economical to use: One litre of concentrate is sufficient for stripping more than 25 m² of printed circuit boards.


Diluted with water, the Special Stripper **HP 5710** can also be used to clean developing and resist stripper units. Solutions for cleaning equipment can be used several times.

Characteristics

Colour/appearance	colourless to yellowish transparent liquid
Density at 20 °C [68 °F], DIN 51757	1.16 ± 0.02 g/cm ³

Index: HP = Auxiliary product

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"

Safety recommendation

- **HP 5710** is corrosive, thus please wear protective clothing and protective goggles.
- When using chemicals, the common precautions should be carefully noted

Removing photoimageable solder resists

- Dip the printed circuit boards to be stripped for 2–10 min into hot (70–80 °C [158–176 °F]) concentrate until the solder resist has dissolved.
- Rinse the printed circuit boards thoroughly with water. After pre-cleaning again (by brushing, pumice or similar) the printed circuit boards can be re-coated with solder resist.

In case of solder resist coatings that are hard to remove, proceed as follows:

- Remove partly dissolved/swollen lacquer continuously by brushing, in order to keep exposure time as short as possible. Perform pre-trials.

Cleaning of developing equipment for photoimageable solder resists

- Fill chambers of developing equipment with a solution of 50 % Special Stripper **HP 5710** and 50 % water.
- Heat the solution to 50–60 °C [122–140 °F]. After 12 hours resting time at this temperature the unit is clean.

The solution can be used several times. We recommend subsequent rinsing with water.

Cleaning of resist stripper equipment

- Fill chambers of stripping unit with a solution of 20 % Special Stripper **HP 5710** and 80 % water.
- Heat solution to 40–60 °C [104–140 °F]. After 8 hours resting time at this temperature the unit is clean.

The solution can be used several times. We recommend subsequent rinsing with water.

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 12 months



Storage conditions: +5 °C to +25 °C [+41 °F to +77 °F]

Do not store together with acids.

Protect from direct sunlight.

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.

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