

## LIQUID FLUX 900-3369

Halide-free activated flux

### DESCRIPTION

Halide-free activated flux classified as 2.2.3.A according to DIN EN 29454-1. The residues are not corrosive according to tests in accordance with DIN 8527 F-SW 32.

Stannol 900-3369 has only a solid content of 1.9%, whereby the residue is largely flushed from the circuit board during soldering operations. Excellent filling properties are obtained with through-connected circuit boards as a result of its excellent wetting properties. The upper surface of the circuit board is visually free of residue. The remaining, invisible residue is firm and dry, i.e. the "ATE" (Automatic Testing Equipment) can be applied without the otherwise necessary prior cleaning stage. The testing needles will then not be contaminated by insulating flux residues.

The make-up of Stannol 900-3369 enables it to be used without difficulty in double wave soldering machines for the soldering of SMDs on the soldering side. The special ingredient mixture guarantees, that sufficient flux reaches the second wave after the first. Surplus solder is removed and perfectly formed soldering points are obtained and a uniform wetting effect.

### APPLICATION

Stannol 900-3369 was specially developed for applications with spray fluxer. It is recommended to set the preheater, so that the temperature on the upper side of the circuit board is 90°C to 110°C, in order that the flux can obtain its greatest effectiveness. Evaporation of solvent can change the composition. Evaporation causes an increase of the solid content and therefore the density increases. This can be checked with the Stannol Mini-Titration-Kit.

### PHYSICAL PROPERTIES AND DATA

GENERAL PROPERTIES	900-3369	
Colour:	colourless	
Density at (20°C):	0.809 g/cm <sup>3</sup>	
Flash point (closed crucible):	12°C	
Ignition Temperature:	425°C	
Solid Content:	1.9%	
Acid Rating:	15.0 mg KOH/g	
Halide Content:	none	
Copper Mirror Test:	passed	
Silver Chromate Test:	passed	
Electromigration:	none	
SIR:	1.8x10 <sup>11</sup> Ω uncleaned, soldered	5.1x10 <sup>11</sup> Ω fluxed
E-Corrosion:	none	none
Requirements:	Bellcore TR-NWT 000078	
Thinner:	Stannol VD-E 3370	

## **SHELF LIFE**

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2 years after date of delivery (provided proper storage in originally sealed container).

## **HEALTH AND SAFETY**

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Before using please read the material safety data sheet carefully and observe the safety precautions described.

## **NOTICE**

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The above values are typical and represent no form of specification. The Data Sheet serves for information purposes. Any verbal or written advise is not binding for the company, whether such information originates from the company offices or from a sales representative. This is also in respect of any protection rights of third parties, and does not release the customer from the responsibility of verifying the products of the company for suitability of use for the intended process or purpose. Should any liability on the part of the company arise, the company will only indemnify for loss or damage to the same extent as for defects in quality.