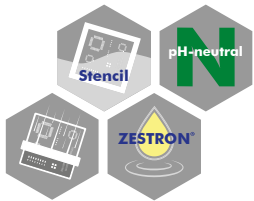


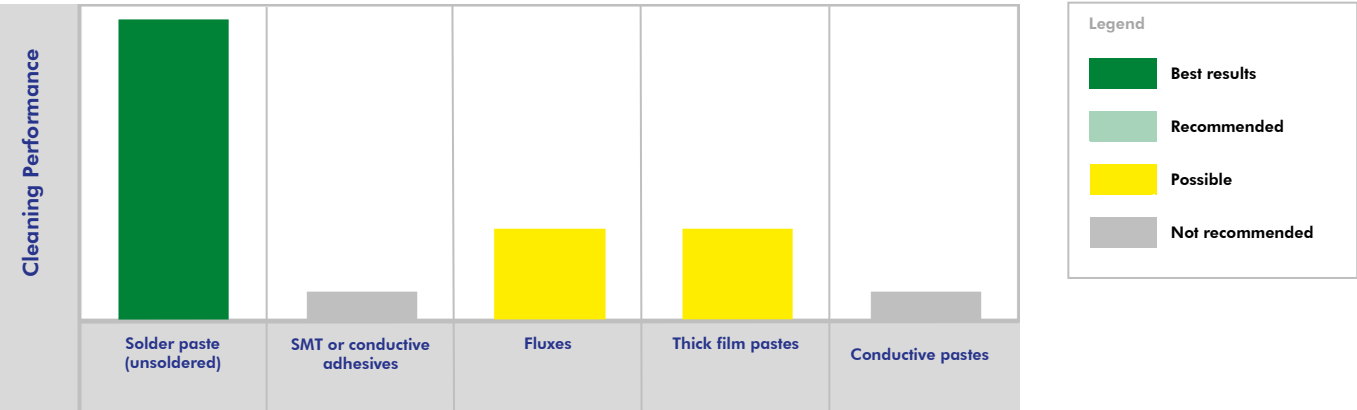
ZESTRON® SD 100



Stencil and screen cleaning agent for the removal of solder pastes

ZESTRON® SD 100 is a solvent-based cleaning agent developed to remove solder paste from SMT stencils in spray-in-air equipment. The cleaner has excellent drying properties and therefore enables short process times. Depending on the type of fluxes, misprinted assemblies can also be cleaned with ZESTRON® SD 100. The product is furthermore recommended for stencil underside wiping in printers or manual stencil cleaning.

Areas of application – Stencil & misprinted board cleaning



Advantages compared to other cleaners

- High bath loading capability, long bath life as well as low maintenance costs.
- Facilitates short process times due to superior drying characteristics.
- Used at ambient temperature, low odor.
- Also applicable for manual stencil cleaning and underside wiping in SMT printers.
- ZESTRON® SD 100 has been approved by leading international manufacturers for the use in their stencil printers. Written approvals can be obtained from ZESTRON.

Process Steps

Cleaning Process	1. Cleaning	2. Rinsing	3. Drying
Explosion-proof Spray-in-air-system	ZESTRON® SD 100	ZESTRON® SD 100	Ambient or compressed air
SMT printer	ZESTRON® SD 100	not applicable	Dry fleece + vacuum drying

## Independent Test Center - Largest choice of leading machines, chemistry & analytics



Machine Test Center



Analytical Center

Visit our Machine Test Center and clean your stencils & screens under production conditions in cleaning machines of leading international equipment suppliers. Our process engineers will help you independently of any supplier to find the most suitable combination of equipment & cleaning agent for your requirements. Following the cleaning trials, all results will be reviewed immediately in our Analytical Center to verify the required cleanliness.




**Contact ZESTRON's process engineers for cleaning trials:**

Europe: +49 8453 41995 318; [techsupport@zestron.com](mailto:techsupport@zestron.com) / South Asia: +604 (3996) 100; [support@zestronasia.com](mailto:support@zestronasia.com)

## Technical Data

Density	(g/ccm) at 20°C/68°F	0.76
Surface tension	(mN/m) at 25°C/77°F	21.7
Boiling range	°C/°F	150 – 178 / 302 – 352
Flash point	°C/°F	42 / 108
pH value	10g/l H <sub>2</sub> O	Neutral
Vapor pressure	(mbar) at 20°C/68°F	4.6
Cleaning temperature	°C/°F	RT
Solubility in water		Partially soluble
Application concentration	Ready-to-use	Pure
HMIS Rating	Health-Flammability-Reactivity	1 – 2 – 0

## Product Features & Cleaning Standards

 <p>100% compliance with EU guidelines (RoHS 1, 2 &amp; 3, WEEE)</p>	<p>Stencils cleaned with ZESTRON® SD 100 in a ZESTRON specified process meet the following industry standards:</p> <ul style="list-style-type: none"> <li>IPC-7526 Manual for cleaning of stencils and misprinted boards</li> </ul>
 <p>Extensively tested and suitable for cleaning lead-free solder pastes</p>	
 <p>Product is free of any critical substances according to SIN &amp; SVHC lists</p>	

## Environmental, health & safety regulations

- ZESTRON® SD 100 is formulated free of any halogenated compounds and biodegradable.
- Water rinsing is not necessary which results in the elimination of water streams and water treatment processes.
- The product is a hazardous material and according to EU standards requires specific labelling.
- Refer to the SDS for specific handling precautions and instructions.

## Availability & Storage

1 Liter	✓
5 Liter	✓
25 Liter	✓
200 Liter	✓

- Available as ready-to-use solution
- Store ZESTRON® SD 100 in the original container at a temperature between 5 - 30°C / 41 - 86°F.
- The product has a minimum shelf life of 5 years in factory sealed containers.



## Further product information

- **Material Compatibility**  
Please review the Material Compatibility overview before using the cleaning agent.
- **Evaluation guideline**  
Guideline for stencil underside wiping in SMT printers.
- **Filter recommendation**  
To further extend the bath life of ZESTRON® SD 100, filtration is recommended.
- **Safety data sheet**