

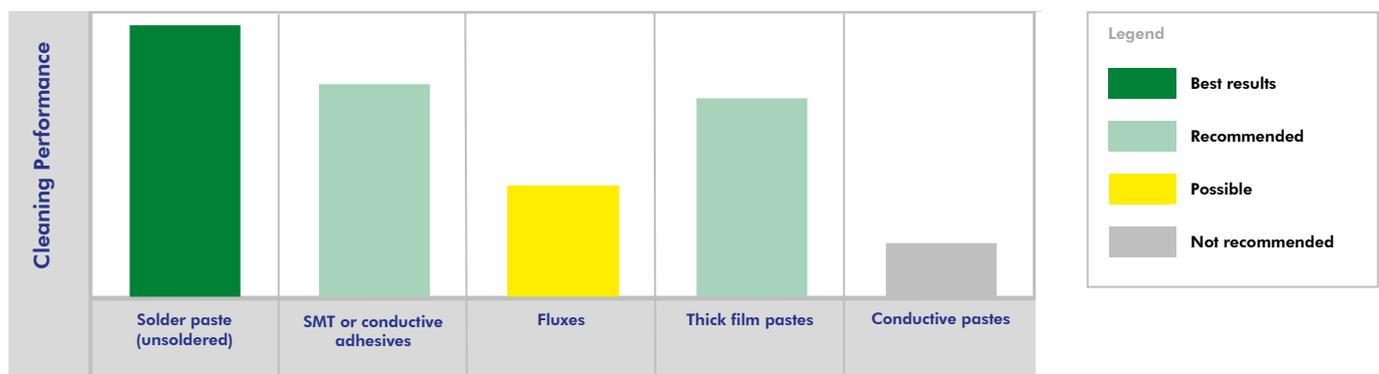
## ZESTRON® SD 301

Cleaning medium for the removal of solder pastes, SMT adhesives and thick film pastes from stencils and screens



ZESTRON® SD 301 is a solvent-based cleaning agent for the removal of solder pastes, SMT adhesives as well as thick film pastes from stencils and screens in explosion-proof spray-in-air systems. Its fast drying time allows short cleaning processes. ZESTRON® SD 301 can also be used to clean misprinted assemblies. Its high flash point also allows the manual use and the application in printers.

### Areas of application – Stencil & misprinted board cleaning



### Advantages compared to other cleaners

- Due to its wide process window, ZESTRON® SD 301 reliably removes solder pastes, SMT adhesives and resistor pastes etc. from stencils and screens as well as flux residues from misprinted assemblies.
- High loading capabilities, long bath life and therefore low cleaning costs.
- Very fast drying time and thus short overall process time.
- Applicable at ambient cleaning temperature.

### Process Steps

Cleaning Process	1. Cleaning	2. Rinsing	3. Drying
Explosion-proof Spray-in-air-system	ZESTRON® SD 301	ZESTRON® SD 301	Circulating or compressed air

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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: Phone +49 (841) 63526; [techsupport@zestron.com](mailto:techsupport@zestron.com) / South Asia: Phone +604 (3996) 100; [support@zestronasia.com](mailto:support@zestronasia.com)

**Or visit our website for a virtual tour:** <http://www.zestron.com/en/company/virtual-company-tour.html>

## Technical Data

Density	(g/ccm) at 20°C/68°F	0.88
Surface tension	(mN/m) at 25°C/77°F	26.0
Boiling range	°C/°F	150 – 170 / 302 – 338
Flash point	°C/°F	47 / 117
pH value	10g/l H <sub>2</sub> O	Neutral
Vapor pressure	(mbar) at 20°C/68°F	2
Cleaning temperature	°C/°F	Room temperature
Solubility in water		Soluble
Application concentration	Ready-to-use	Pure
HMS 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 301 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 301 is formulated free of any halogenated compounds and biodegradable.
- Water rinsing is not necessary which results in the elimination of waste water concerns.
- 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 301 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
- **Filter recommendation**  
To further extend the bath life of ZESTRON® SD 301, filtration is recommended.
- **Safety data sheet**