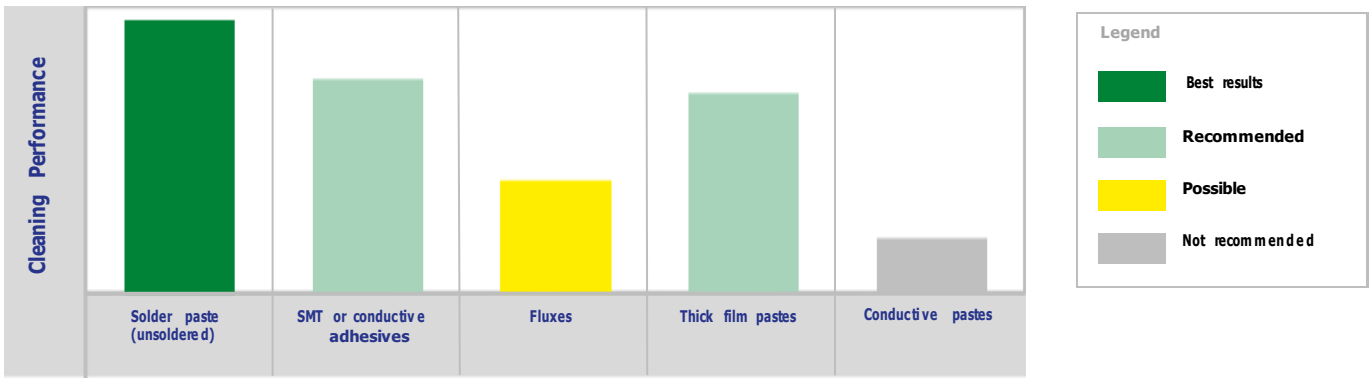
ZESTRON® SD 301

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 / South Asia: Phone +604 (3996) 100; 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_2O	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
HMIS Rating	Health-Flammability-Reactivity	1 - 2 - 0

Product Features & Cleaning Standards

100% compliance with EU guidelines (RoHS 1, 2 & 3, WEEE)

Extensively tested and suitable for cleaning lead-free solder pastes

Product is free of any critical substances according to SIN & SVHC lists

Stencils cleaned with ZESTRON® SD 301 in a ZESTRON specified process meet the following industry standards:

- IPC-7526 Manual for cleaning of stencils and misprinted boards

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**

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