

## ZESTRON® SD 100

Solvent-based cleaning agent for SMT stencils and screens



ZESTRON® SD 100 is a solvent-based cleaning agent used to remove solder paste from SMT stencils in spray-in-air equipment. Misprinted assemblies can also be cleaned with ZESTRON® SD 100. The product is also recommended for stencil underside wipe cleaning in printers and manual stencil cleaning. The cleaner has excellent drying properties enabling short process times

### Areas of Application: Stencils and screens / Misprinted board cleaning

Recommended Solder Paste Applications:	Additional Product Information
Solder paste (unsoldered)	Material Compatibility Overview
Resin-based flux residues	Application Recommendation
	Safety Data Sheet

Applies to leaded and lead-free solder pastes and liquid fluxes

### Key Benefits

- High bath loading capability, long bath life and low maintenance costs.
- Facilitates short process times due to very good drying characteristics.
- Used at ambient temperature, low odor.
- Also applicable for manual stencil cleaning and underside wipe cleaning in SMT printers.

### Process Steps

Cleaning Process	Parts	1. Cleaning	2. Rinsing	3. Drying
Spray-in-air	Stencils, Screens, and Misprinted Boards	ZESTRON® SD 100	ZESTRON® SD 100	Ambient or compressed air
SMT Printers	Stencil Underside Wipe	ZESTRON® SD 100	N/A	Dry fleece & vacuum drying

Please refer to the Material Compatibility Overview prior to cleaning plastics.

## Technical Data

Density	(g/cm <sup>3</sup> ) at 20°C/68°F	0.76
Surface tension	(mN/m) at 25°C/77°F	21.7
Boiling point	°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	Room temperature
Solubility in water		Partially soluble
Application concentration	Ready-to-use	Pure
HMS Rating	Health-Flammability-Reactivity	1 – 2 – 0

## Product Features & Cleaning Standards



Extensively tested and suitable for cleaning of lead-free solder pastes



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



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

## Environmental, Health & Safety Regulations

- ZESTRON® SD 100 is hydrocarbon-based, does not contain halogenated compounds and is biodegradable.
- Water rinsing is not necessary, this results in the elimination of water streams and water purification processes.
- Refer to the SDS for specific handling precautions and instructions.

## Availability & Storage

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

- Available as a 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.



Contact ZESTRON's Application Engineering Team for more information or trials:

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