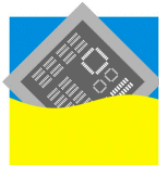


# ZESTRON® SD 100

## Precision cleaning medium for 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.

Areas of application:		Additional product information:
Stencils and screens		
Solder paste (unsoldered)	++	<b>Technical Information 2:</b> Overview of all fluxes, solder pastes, SMT adhesives, thickfilm pastes and conductive adhesives
SMT or conductive adhesives	-	
Misprinted boards		<b>Technical Information 3:</b> Material compatibility overview
Low solid flux residues	0	
Resin-based flux residues	+	
Water soluble flux residues	0	
		<b>Application Recommendation:</b> Specific process parameters for your cleaning trial

++ highly recommended, best results      + recommended      0 possible      - not recommended

### Technical Centers - ① America, ② Europe, ③ Malaysia, ④ North-China, ⑤ South-China Cleaning Process Solutions under Production Floor Conditions



### Advantages compared to other cleaners:

- High bath loading capability, excellent filterability and therefore a long bath life as well as low maintenance costs.
- This cleaner facilitates short process times due to superior drying characteristics.
- ZESTRON® SD 100 can also be used for stencil underside wipe cleaning in printers.
- ZESTRON® SD 100 is based on non-halogen, organic solvents.
- Used at ambient temperature.
- This medium is also applicable for manual cleaning.
- Low odor.


Please refer to the material compatibility list (Technical Information 3) before cleaning plastics.

ZESTRON® SD 100 has been approved by leading international manufacturers of cleaning equipment, stencil printers and stencils. Approvals can be obtained from ZESTRON.


Process Steps	1. Cleaning	2. Rinsing	3. Drying
Spray-in-air system (ATEX / ex-proof)	ZESTRON® SD 100	ZESTRON® SD 100	Ambient or compressed air

Technical Data		
Density	(g/ccm) at 20°C/68°C	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
Solubility in water		Partially soluble
Cleaning temperature	°C/°F	Room temperature
Application concentration	Ready-to-use	Pure
HMIS Rating	Health-Flammability-Reactivity	1 – 2 – 0


**PRODUCT FEATURES**



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



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



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

**Filter recommendation:**

- To further improve the long bath life of ZESTRON® SD 100 filtration is recommended.
- For details, please request our “Filter Recommendation” sheet.

**Environmental, health and safety regulations:**

- ZESTRON® SD 100 is hydrocarbon-based, 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.
- Refer to the MSDS for specific handling precautions and instructions.

**Availability/Storage:**

- ZESTRON® SD 100 is available in 1l bottles, 5l or 25l containers and 200l drums.
- 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.

**Alternative product recommendation:**

- For further cleaning requirements (i.e. removal of SMT adhesives), we recommend the solvent-based cleaner ZESTRON® SD 301 as well as the water-based medium VIGON® SC 200.

