

ZESTRON® SD 100

Solvent-based cleaning medium 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.

Areas of application: Stencils and screens / Misprinted Board Cleaning		Additional product information:
SMT or conductive adhesives	-	Application Recommendation: Specific parameters for your cleaning process Technical Information Sheet 2: Overview of pastes and fluxes tested Technical Information Sheet 3: Material compatibility overview
Low solid flux residues	o	
Resin-based flux residues	+	
Water soluble flux residues	o	
Solder paste (unsoldered)	++	

++ highly recommended, best results

+ recommended

- not recommended

o possible

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



Contact ZESTRON's Process Engineering Team for free-of-charge cleaning trials:
Phone: +1 (703) 393-9880; Email: infoUSA@zestron.com

Advantages compared to other surfactant cleaners:

- High bath loading capability and therefore a long bath life as well as low maintenance costs.
- Facilitates short process times due to very good drying characteristics.
- With a flash point of 42°C (108°F), ZESTRON® SD 100 can be used in non-heated cleaning equipment without explosion protection.
- Also applicable for stencil underside wipe cleaning in printers.
- Used at ambient temperatures.
- Can be for manual cleaning.
- Low odor.
- Halogen free.

Please refer to the material compatibility datasheet (Technical Information 3) prior to cleaning plastics.

Process	1. Cleaning	2. Rinsing	3. Drying
Spray-in-air	ZESTRON® SD 100	ZESTRON® SD 100	Ambient or compressed air

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 ₂ 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



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

Environmental, health and safety regulations:

- ZESTRON® SD 100 is hydrocarbon-based, does not contain any 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 MSDS for specific handling precautions and instructions.

Availability:

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

Storage:

- Store ZESTRON® SD 100 in the original container at a temperature between 5°C-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.

ZESTRON

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