

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 and 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 for manual use and application in stencil printers.

Areas of Application: Stencil/Misprinted Board Cleaning

Recommended Applications:	Additional Product Information
Solder paste (unsoldered)	Material Compatibility Overview
SMT or conductive adhesives	
Thick film paste	Safety Data Sheet
Rosin based flux residues	

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

Key Benefits

- Due to its wide process window, ZESTRON® SD 301 reliably removes solder pastes, and SMT adhesives from stencils and screens as well as flux residues from misprinted assemblies.
- ZESTRON® SD 301 has a high bath loading capability and a long bath life and therefore low cleaning costs.
- Due to a flash point of 47°C / 117°F, the cleaner can be used in non-heated equipment without external explosion-protection systems.
- Non-halogenated, organic solvent-based cleaning agent.
- Applicable at ambient cleaning temperature.
- Low odor, fast drying time

Process Steps

Cleaning Process	Parts	1. Cleaning	2. Rinsing	3. Drying
Explosion-proof spray-in-air system	Stencils and Misprinted Boards	ZESTRON® SD 301	ZESTRON® SD 301	Circulating or compressed air
SMT Printers	Stencil Underside Wipe	ZESTRON® SD 301	N/A	Dry fleece & vacuum drying

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

Technical Data

Density	(g/cm ³) at 20°C/68°F	0.88
Surface tension	(mN/m) at 25°C/77°F	26.0
Boiling point	°C/°F	150 – 170 / 302 – 338
Flash point	°C/°F	47 / 117
pH value	10g/l H ₂ 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



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 301 is formulated free of any halogenated compounds and is biodegradable.
- Water rinsing is not necessary which results in the elimination of waste water concerns.
- Refer to the SDS for specific handling precautions and instructions.

Availability & Storage

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

- Available as concentrate
- 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.



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

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