

ATRON® SP 300

Aqueous cleaning medium for cyclones, condensation traps and solder pallets



ATRON® SP 300 is an aqueous-alkaline cleaner, specifically designed to remove baked-on flux residues from cyclones, condensation traps, and solder pallets. ATRON® SP 300 can be used in single batch cleaning systems with air assisted cleaning and a unit for external cleaning of containers and tubing.

Areas of application: Maintenance Cleaning		Additional product information:
Low solid flux residues*	++	Technical Information 3: Overview regarding material compatibility Application Recommendation: Specific process parameters for your cleaning trial
Rosin-based flux residues*	++	
Water soluble flux residues*	++	
Synthetic fluxes*	0	
Fumigation contamination	++	

++ highly recommended, best results + recommended 0 possible - not recommended
 * Valid for all standard-, lead-free and lead-based solders

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



Contact ZESTRON's Process Engineering Team for free-of-charge cleaning trials:
 Phone: +49-841-635-26; Email: techsupport@zestron.com

Advantages compared to other cleaning agents:

- Extremely long bath life ensures reduced cleaning agent costs.
- Excellent cleaning performance with all types of flux and solder paste residues.
- Solid content-free formula, therefore no water rinsing or active drying required.
- Also suitable for spray-in-air-equipment.
- Extremely low VOC reduces emission values.
- Low odor.
- Exceptional material compatibility.

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

TECHNICAL INFORMATION 1

ZESTRON

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Process Steps	1. Cleaning	2. Rinsing	3. Drying
Air assisted cleaning	ATRON® SP 300	-*	-*
Spray-under-immersion	ATRON® SP 300	-*	-*
Spray-in-air	ATRON® SP 300	DI-Water or tapwater	Hot or circulating air

*Due to the excellent run-off characteristics of ATRON® SP 300, water rinsing and drying are only necessary in spray-in-air equipment

Technical Data		
ATRON® SP 300 is available as a concentrate or ready-to-use solution. Please note that the information below represents ATRON® SP 300 as a ready-to-use mixture.		
Density	(g/ccm) at 20°C/68°F	0.99
Surface tension	(mN/m) at 25°C/77°F	30.4
Boiling range	°C/°F	99 – 229 / 210 – 444.2
Flash point	°C/°F	None
pH-value	10g/l H ₂ O	11.2
Vapor pressure	(mbar) at 20°C/68°F	Approx. 18.7
Solubility in water		Soluble
Cleaning temperature	°C/°F	20 – 70 / 68 – 158
Application concentration	Ready-to-use	Pure
Application concentration ¹	Concentrate in %	25
HMIS Rating	Health-Flammability-Reactivity	1 – 0 – 0

¹ the concentrate of ATRON® SP 300 has to be diluted in DI-water.

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)

Environmental, health and safety regulations:

- ATRON® SP 300 is water-based and biodegradable.
- ATRON® SP 300 is formulated free of halogenated compounds and is very environmentally friendly.
- Refer to the MSDS for specific handling precautions and instructions.

Availability/Storage:

- ATRON® SP 300 is available as a ready-to-use solution and as a concentrate in 1l bottles, 5l or 25 containers and 200l drums.
- This product is non-hazardous.
- Store ATRON® SP 300 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 manual removal of flux residues from reflow ovens, we recommend VIGON® RC 101.