

ATRON® AC 300

Aqueous-based cleaning medium for flux removal



ATRON® AC 300, based on FAST® Technology, is a new generation of aqueous surfactant cleaner specifically designed to remove flux residues from electronic assemblies, approved for use by the South Coast Air Quality Management District (SCAQMD). The product was developed to improve upon the cleaning performance and bath life of traditional surfactant-based cleaners, ultimately reducing overall cleaning costs. ATRON® AC 300 can be used as a drop-in replacement for high and medium pressure, inline and batch cleaning systems.

Areas of application: PCB / Misprinted Board Cleaning		Additional product information:
Low solid flux residues	+	Application Recommendation: Specific parameters for your cleaning process Technical Information 3: Overview of materials evaluated for compatibility FAST® Technology Sheet: Overview of ZESTRON's patented FAST® Technology
Rosin based flux residues	+	
Water soluble flux residues	++	
Solder paste (unsoldered)	+	

++ highly recommended, best results + recommended 0 possible

Technical Centers - ① Americas 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:
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Advantages compared to other surfactant cleaners:

- Clean Air Solvent certified product.
- Low odor.
- Halogen-free.
- Specifically formulated for excellent compatibility with aluminum and epoxy surfaces.
- Supplied as a concentrate to be used at 5% concentration.

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

Process	1. Cleaning	2. Rinsing	3. Drying
Spray-in-air	ATRON® AC 300	DI-water	Hot air or circulating air
Ultrasonic	ATRON® AC 300	DI-water	Hot air or circulating air

Technical Data: ATRON® AC 300 at 5% concentration		
Density	g/ccm at 20°C / 68°F	1.00
Boiling range	°C/°F	170 / 338
Flash point	°C/°F	None
pH-value	10g/l H ₂ O	11.87
Cleaning temperature	°C/°F	40 - 70 / 104 - 158
VOC content	g/l	< 25
Application Concentration	%	5
HMIS Rating	Health-Flammability-Reactivity	1 - 0 - 0

Product Features	
 Extensively tested and suitable for cleaning of LF solder pastes	 FAST® Technology ensures the fast removal of flux residues even under components
 100% compliance with EU guidelines	 Product is free of any critical substances according to SIN & SVHC lists

Environmental, health and safety regulations:

- ATRON® AC 300 is water-based and biodegradable.
- Refer to the SDS for specific handling precautions and instructions.

Availability:

- ATRON® AC 300 is available as a concentrate in 1L, 5L and 25L containers and 200L drums.

Storage:

- Store ATRON® AC 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 high-end defluxing and closed-loop processing requirement, we recommend VIGON® A 201.