

ATRON® AC 200

Aqueous-based cleaning medium for defluxing



ATRON® AC 200 is a FAST® based cleaning agent, specifically designed to remove flux residues from electronic assemblies.

The product was developed to improve upon the cleaning performance and bath life of traditional surfactant cleaners. This reduces overall cleaning costs significantly. ATRON® AC 200 can be used for inline and batch cleaning systems at a vapor pressure between 0.5 and 6 bars.

Areas of application:		Further information on this product:
PCB cleaning		Technical Information sheet 2: Overview of all fluxes and solder pastes tested Technical Information sheet 3: Overview regarding material compatibility Application Recommendation: Specific process parameters for your cleaning trial FAST® Technology Sheet: Detailed information on the FAST® Technology
Low solid flux residues	+	
Rosin based flux residues	+	
Water soluble flux residues	++	
Misprinted board cleaning		
Solder pastes (unsoldered)	+	

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

Free-of-Charge Cleaning Trials & Surface Analytics at ZESTRON's Technical Centers



Free-of-charge cleaning trials can be performed at one of ZESTRON's Global Technical Centers. ZESTRON's European, North American and Asian Technical Centers feature spray-in-air, ultrasonic or spray-under-immersion processes. This provides an extensive overview on all available processes by leading international equipment manufacturers.



Upon completion of the cleaning trials, extensive analytical tests such as SIR and ionic residue measurements can be performed.

Please consult with ZESTRON's Application Technology Centers regarding future cleaning trials: Phone +49-841-635-26; Email: techsupport@zestron.com

Advantages compared to other cleaners:

- ATRON® AC 200 is specially formulated for excellent compatibility towards aluminum and epoxy surfaces
- ATRON® AC 200 is halogen-free.
- Low odor.

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

Process	Cleaning	Rinsing	Drying
Spray-in-air	ATRON® AC 200	DI water	Hot or circulated air

Technical Data		
Please note that the information below represents ATRON® AC 200 at a 10 % concentration.		
Density	(g/ccm) at 20°C/68°F	0.996
Surface tension	(mN/m) at 25°C/77°F	30.1
Boiling range	°C/°F	> 100 / 212
Flash point	°C/°F	none
pH-Value	10g/l H ₂ O	10.3
Solubility in water		soluble
Cleaning temperature	°C/°F	40 - 70 / 104 - 158
Application concentration ¹	Concentrate in %	5 - 15
HMIS Rating	Health-Flammability-Reactivity	1 - 0 - 0

¹ The concentrate of ATRON® AC 200 has to be diluted in DI water.

LEAD-FREE COMPLIANT



ATRON® AC 200 meets the RoHS & WEEE guidelines, current worker safety standards as well as the actual applicable environmental requirements. ZESTRON voluntarily avoids the use of critical substances during product development.



Extensive tests confirmed the qualification of ATRON® AC 200 for the cleaning of lead-free solder pastes. For detailed results please request our Technical Information Sheet 2.

Environmental, health and safety regulation:

ATRON® AC 200 is water-based and biodegradable. Refer to the MSDS for specific handling precautions and instructions.

Availability/Storage:

ATRON® AC 200 is available as concentrate in 1L bottles, 5L or 25L containers and 200L drums. This product is hazardous.

Store ATRON® AC 200 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 200.

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