

# ATRON® AC 205

## Aqueous-based defluxing agent for spray-in-air applications



ATRON® AC 205 is a FAST® (Fast Acting Surfactant Technology) Technology-based cleaning agent specifically designed to remove flux residues from electronic assemblies.

FAST® Technology cleaners such as ATRON® AC 205 are based a new generation of surfactants with significantly enhanced characteristics. When compared to traditional surfactant-based cleaning agents ATRON® AC 205 requires much shorter contact times and provides a higher bath loading capacity. Therefore ATRON® AC 205 is especially suited for high pressure inline cleaning systems where short contact times are very important.

Areas of application: PCB cleaning		Further information on this product:
Low solid flux residues	++	<b>Technical Information sheet 2:</b> Overview of all solder pastes tested  <b>Technical Information Sheet 3:</b> Overview regarding material compatibility
Rosin-based flux residues	++	
Water soluble flux residues	++	
Solder paste (unsoldered)	+	

++ highly recommended, best results      + recommended      o possible

### 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 surfactant cleaners

- Free of Ethanolamine and other harmful substances.
- Allow for a quicker removal of a wide variety of the latest lead-free and eutectic flux residues.
- Longer bath life than traditional surfactant-based cleaners.
- Gentle formula leaves solder joints and pads shiny and bright.
- Specially formulated for excellent compatibility towards aluminum and epoxy surfaces.
- Low odor.
- Extremely low VOCs.

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

TECHNICAL INFORMATION 1

www. ZESTRON® .com

South Asia  
Kulim – Malaysia  
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North Asia  
Shanghai – China  
infochina@zestron.com

America  
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Process	Cleaning	Rinsing	Drying
Spray-in-air (inline)	ATRON® AC 205	Warm with DI-water (40°C/104°F)	Hot or circulating air
Spray-in-air (batch)	ATRON® AC 205	Warm with DI-water (40°C/104°F)	Hot or circulating air

Technical Data		
Please note that this information represents ATRON® AC 205 at a 10% concentration.		
Density	g/ccm at 20°C/68°F	1.00
Surface tension	mN/m at 25°C/77°F	28.9
Boiling range	°C/°F	> 100 / 212
Flash point	°C/°F	None
pH-Value	10g/l H <sub>2</sub> O	10.4
Cleaning temperature	°C/°F	40 – 70 / 104 – 158
Application concentration <sup>1</sup> (inline)	%	5 – 15
Application concentration <sup>1</sup> (batch)	%	15 - 30
HMIS Rating	Health-Flammability-Reactivity	1 – 0 – 0

<sup>1</sup> ATRON® AC 205 has to be diluted in DI water.

### LEAD-FREE COMPLIANT:



ATRON® AC 205 meets the RoHS & WEEE guidelines, current worker safety standards as well as the applicable environmental requirements. ZESTRON voluntary avoids the use of critical substances during product development.



Extensive tests confirmed the qualification of ATRON® AC 205 for the cleaning of lead-free solder pastes. For detailed results please request our Technical Information Sheet 2.

### Environmental, health and safety regulations

ATRON® AC 205 is water-based and biodegradable. Refer to the MSDS for specific handling precautions and instructions.

### Availability/Storage

ATRON® AC 205 is available as a concentrate in 1L bottles, 5L or 25L containers or 200L drums.

Store ATRON® AC 205 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.