

# ATRON® SP 200

## Aqueous cleaning medium for baked-on flux removal



ATRON® SP 200 is an aqueous-alkaline surfactant cleaner, specifically developed to remove baked-on fluxes from solder pallets and condensation traps. ATRON® SP 200 can be used for the removal of unsoldered solder pastes from SMT stencils. The cleaner can be used in either spray-in-air, ultrasonic or air assisted cleaning equipment.

Areas of application:		Further information on this product:
Condensation traps/solder frame cleaning		
Baked-on fluxes	++	<b>Technical Information sheet 2:</b> Overview of all fluxes and solder pastes <b>Technical Information sheet 3:</b> Overview regarding material compatibility <b>Application Recommendation:</b> Specific process parameters for your cleaning trial
Stencil cleaning		
Solder pastes (unsoldered)	+	
SMT or conductive adhesives	-	

++ 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 surfactant cleaners:

- Simple, easy-to-use handling
- 3 to 10 times longer bath life than traditional surfactant cleaners. The reduced number of bath changes results in a lower volume of used cleaner, which has to be disposed. Thereby, process costs are reduced. This was proven by Siemens after detailed tests.
- Excellent compatibility with aluminum and epoxy surfaces.
- Does not leave residues on cleaning equipment.
- The use of defoamer is not required
- No building of organics in the rinsing section
- ATRON® SP 200 is also suitable for the cleaning of conveyor fingers or the removal of extremely baked-on flux residues in solder ovens and similar applications.

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

ATRON® SP 200 is approved by leading international manufacturers of cleaning equipments and stencils.

Process	Cleaning	Rinsing	Drying
Air assisted cleaning	ATRON® SP 200	DI- water or tap water	Hot or circulating air
Ultrasonic	ATRON® SP 200	DI- water or tap water	Hot or circulating air
Spray-in-air	ATRON® SP 200	DI- water or tap water	Hot or circulating air

Technical Data		
Please note that the information below represents ATRON® SP 200 at a 15 % concentration.		
Density	(g/ccm) at 20°C/68°F	1.00
Boiling range	°C/°F	100 / 212
Flash point	°C/°F	None
pH-Value	10g/l H <sub>2</sub> O	12
Vapor pressure	(mbar) at 20°C/68°F	approx. 23
Solubility in water		Soluble
Cleaning temperature	°C/°F	20 – 50 / 68 – 122
Application concentration	%	10 - 20
HMIS Rating	Health-Flammability-Reactivity	1 – 0 – 0

## LEAD-FREE COMPLIANT



ATRON® SP 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® SP 200 for the cleaning of lead-free solder pastes. For detailed results, please request our Technical Information Sheet 2.

## Environmental, health and safety regulations:

ATRON® SP 200 is water-based and biodegradable. ATRON® SP 200 is formulated free of halogenated compounds and therefore very environmental friendly. No special precaution for handling ATRON® SP 200 is required.

## Availability/Storage:

ATRON® SP 200 is available as a concentrate in 1L bottles, 5L or 25L containers and 200L drums. The product is non-hazardous.

Store ATRON® SP 200 in the original container at a temperature between 5°C - 30°C (41 – 86 °F). The product has a minimum shelf life of 5 years in factory sealed containers.

## Alternative product recommendation:

For the removal of SMT adhesives we recommend VIGON® SC 200.