

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 also be used for the removal of unsoldered solder pastes from SMT stencils. The cleaner is suitable for spray-in-air, ultrasonic or air assisted cleaning equipment.

Areas of application:		Additional product information:
Condensation traps/solder frame cleaning		
Baked-on fluxes	++	Technical Information 2: Overview of all fluxes and solder pastes Technical Information 3: Material compatibility overview Application Recommendation: Specific process parameters for your cleaning trial
Stencil cleaning		
Solder pastes (unsoldered)	+	
SMT or conductive adhesives	-	

++ highly recommended, best results + recommended 0 possible - not recommended

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



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 several customer cases.
- Excellent compatibility with aluminum and epoxy surfaces.
- The use of de-foamer is not required.
- No build-up of organics in the rinsing section.
- ATRON® SP 200 is also suitable for the cleaning of conveyor fingers or the manual 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 equipment and stencils.

Process Steps	1. Cleaning	2. Rinsing	3. 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 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 ₂ 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

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 200 is water-based and biodegradable.
- ATRON® SP 200 is formulated free of halogenated compounds and therefore very environmental friendly.
- Refer to the MSDS for specific handling precautions and instructions.

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.