

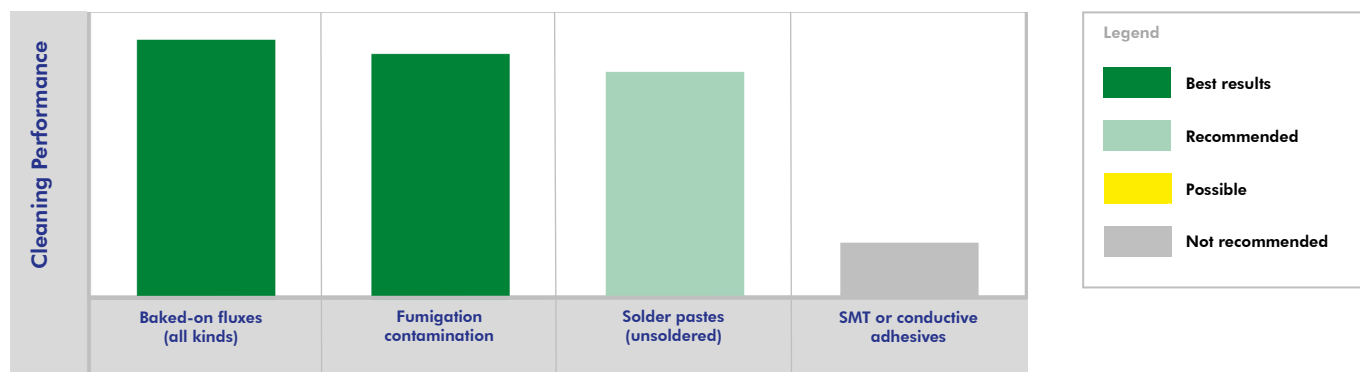
ATRON® SP 200

Water-based cleaning medium for the removal of fluxes from solder pallets and condensation traps



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 air assisted, ultrasonic and spray-in-air cleaning equipment.

Areas of application – Condensation traps / Solder frame / Stencil Cleaning



Advantages compared to other 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 cleaning agent disposal. Thereby, process costs are reduced. This was proven by several customer cases.
- Excellent compatibility with aluminum and epoxy surfaces.
- No build-up of organics in the rinsing section.
- Approved by leading international cleaning equipment and stencil manufacturers.
- ATRON® SP 200 is also suitable for cleaning conveyor fingers or the manual removal of extremely baked-on flux residues in solder ovens and similar applications.

Process Steps

Cleaning Process	1. Cleaning	2. Rinsing	3. Drying
Air assisted cleaning	ATRON® SP 200	Recommended: DI-water or tap water	Hot or circulating air
Ultrasonic	ATRON® SP 200	Recommended: DI-water or tap water	Hot or circulating air
Spray-in-air	ATRON® SP 200	DI-water or tap water	Hot or circulating air

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Contact ZESTRON's process engineers for cleaning trials:

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Technical Data*

Density	(g/ccm) at 20°C/68°F	1.00
Surface tension	(mN/m) at 25°C/77°F	n.a.
Boiling point	°C/°F	100°C / 212°F
Flash point	°C/°F	None until boiling
pH value	10g/l H ₂ O	12.0
Vapor pressure	(mbar) at 20°C/68°F	Approx. 23
Cleaning temperature	°C/°F	20-50°C / 68-122°F
Solubility in water		Soluble
Application concentration	Concentrate	10 - 25 %
HMIS Rating	Health-Flammability-Reactivity	0 - 0 - 0

* Please note that the information above represents ATRON® SP 200 at 15 % concentration.

Product Features & Cleaning Standards



100% compliance with EU guidelines
(RoHS 1, 2 & 3, WEEE)



Extensively tested and suitable for cleaning lead-free
solder pastes



Product is free of any critical substances according to
SIN & SVHC lists

Environmental, health & safety regulations

- ATRON® SP 200 is water-based and biodegradable.
- ATRON® SP 200 is formulated free of any halogenated compounds and therefore environmentally friendly.
- Refer to the SDS for specific handling precautions and instructions.
- This product is non-hazardous material.

Availability & Storage

1 Liter	✓
5 Liter	✓
25 Liter	✓
200 Liter	✓

- Available as concentrate
- Store ATRON® SP 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.



Further product information

- **Material Compatibility**
Please review the Material Compatibility overview before using the cleaning agent
- **FAST® Technology Sheet**
Detailed information on FAST® Technology
- **Safety Data Sheet**

Available Process Optimization –Products

To ensure a stable running cleaning process, it is important to monitor cleaning agent concentration. For ATRON® SP 200 following process support product is available:



Concentration measurement:

- ZESTRON® Easy Bath Control Kit a manual test method for fast and reliable checks of cleaning agent concentration.