

## ATRON® SP 200



### Water-based cleaning medium 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 can be used in air assisted, spray-in-air, and ultrasonic cleaning equipment.

### Areas of Application: Heat Exchangers / Condensation traps / Solder frames / Stencil

Recommended Applications:	Additional Product Information
Baked-on fluxes	Material Compatibility Overview
Solder pastes (unsoldered)	Safety Data Sheet

Applies to leaded and lead-free solder pastes

### Key Benefits

- Simple, easy-to-use handling.
- Excellent compatibility with aluminum and epoxy surfaces.
- No build-up of organics in the rinsing section.
- ATRON® SP 200 is also suitable for cleaning conveyor fingers and the removal of extremely baked-on flux residues in solder ovens and similar applications.
- Low VOC and Clean Air Solvent certified product.

### Process Steps

Cleaning Process	Parts	1. Cleaning	2. Rinsing	3. Drying
Air assisted cleaning	Condensation traps, Solder frames, Stencils	ATRON® SP 200	DI-water or tap water	Hot air or circulating air
Ultrasonic	Condensation traps, Solder frames, Stencils	ATRON® SP 200	DI-water or tap water	Hot air or circulating air
Spray-in-air	Condensation traps, Solder frames, Stencils	ATRON® SP 200	DI-water or tap water	Hot air or circulating air

Please refer to the Material Compatibility Overview prior to cleaning plastics.

## Technical Data: ATRON® SP 200 at 15% Concentration

Density	(g/cm <sup>3</sup> ) at 20°C/68°F	1.00
Boiling point	°C/°F	100 / 212
Flash point	°C/°F	None until boiling
pH value	10g/l H <sub>2</sub> O	12.0
Vapor pressure	(mbar) at 20°C/68°F	Approx. 23
Cleaning temperature	°C/°F	20 – 70 / 68 – 158
Solubility in water		Soluble
Application concentration <sup>1</sup>	Concentrate	10 – 25%
HMS Rating	Health-Flammability-Reactivity	1 – 0 – 0

<sup>1</sup> ATRON® SP 200 is recommended to be diluted in DI-water

## Product Features & Cleaning Standards



Extensively tested and suitable for cleaning of lead-free solder pastes



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



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

## Environmental, Health & Safety Regulations

- ATRON® SP 200 is water-based and biodegradable.
- Formulated free of any halogenated compounds.
- Refer to the SDS for specific handling precautions and instructions.

## 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.



## Process Optimization



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



### Concentration measurement:

- Refractometer is a manual test tool that can be used for checking the cleaning agent concentration.

Contact ZESTRON's Application Engineering Team for more information or trials:  
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