

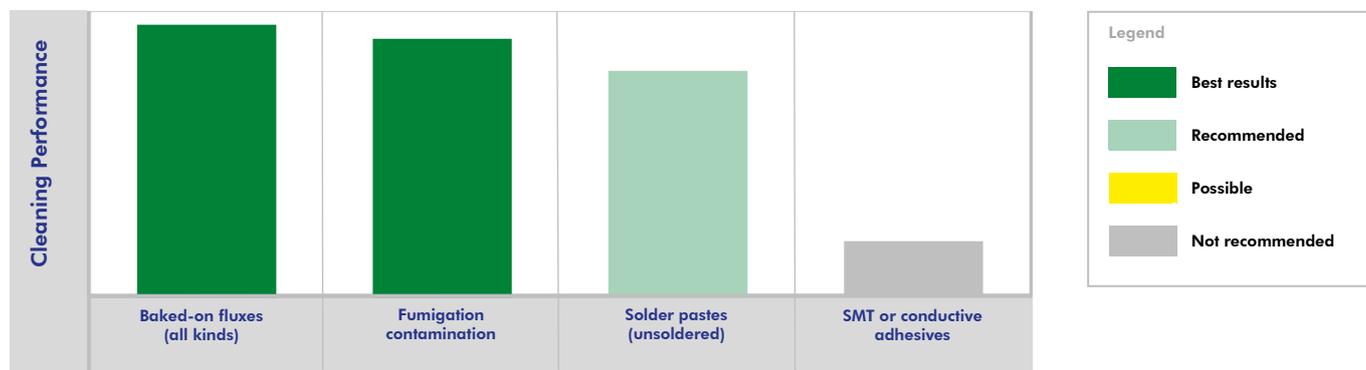
ATRON® SP 300



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

ATRON® SP 300 is an aqueous-alkaline cleaner, specifically designed to remove baked-on flux residues from cyclones, condensation traps and solder pallets. ATRON® SP 300 can be used in batch cleaning systems with air assisted cleaning and a unit for external cleaning of containers and tubing.

Areas of application – Condensation traps / Solder frame



Advantages compared to other cleaners

- Extremely long bath life ensures reduced cleaning agent costs.
- Excellent cleaning performance with all types of flux and solder paste residues.
- Solid content-free formula, therefore no water rinsing or active drying required.
- Also suitable for spray-in-air-equipment.
- Extremely low VOC reduces emission values.
- Low odor.
- Exceptional material compatibility.

Process Steps

Cleaning Process	1. Cleaning	2. Rinsing	3. Drying
Air assisted cleaning	ATRON® SP 300	_*	_*
Spray-under-immersion	ATRON® SP 300	_*	_*
Spray-in-air	ATRON® SP 300	DI-water or tap water	Hot or circulating air

*Due to the excellent run-off characteristics of ATRON® SP 300, water rinsing and drying are only necessary in spray-in-air equipment

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Contact ZESTRON's process engineers for cleaning trials:

Europe: +49 8453 41995 318; techsupport@zestron.com / South Asia: +604 (3996) 100; support@zestronasia.com

Technical Data*

Density	(g/ccm) at 20°C/68°F	0.99
Surface tension	(mN/m) at 25°C/77°F	30.4
Boiling range	°C/°F	99-229°C / 210-444.2°F
Flash point	°C/°F	None until boiling
pH value	10g/l H ₂ O	11,2
Vapor pressure	(mbar) at 20°C/68°F	Approx. 18,7
Cleaning temperature	°C/°F	20-70°C / 68-158°F
Solubility in water		Soluble
Application concentration	Ready-to-use	Pure
Application concentration ¹	Concentrate	10 - 25 %
HMIS Rating	Health-Flammability-Reactivity	1 - 0 - 0

* Please note that the information above represents ATRON® SP 300 as a ready-to-use mixture.

¹ ATRON® SP 300 concentrate has to be diluted in DI-water.

Product Features & Cleaning Standards



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



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



Extensively tested and suitable for cleaning lead-free
solder pastes

Environmental, health & safety regulations

- ATRON® SP 300 is water-based and biodegradable.
- ATRON® SP 300 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 and ready-to-use solution.
- Store ATRON® SP 300 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 300 the following process support products are available:



Concentration measurement:

- ZESTRON® Bath Analyzer 10 a manual test method for fast and reliable checks of cleaning agent concentration.
- ZESTRON® Easy Bath Control Kit a manual test method for fast and reliable checks of cleaning agent concentration.