

ATRON® SP 400

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



ATRON® SP 400 is a water-based cleaning agent specifically developed to remove baked-on fluxes from solder pallets and condensation traps. ATRON® SP 400 is specially developed for spray-in-air cleaning processes.

Areas of application:		Further information on this product:
Condensation traps/solder frame cleaning		
Baked-on fluxes	++	
Stencil cleaning		
Solder pastes (unsoldered)	+	

Technical Information Sheet 3:
Overview regarding material compatibility

++ 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



Contact ZESTRON's Process Engineering Team for free-of-charge cleaning trials:
Phone: +49-841-635-26; Email: techsupport@zestron.com

Advantages compared to other cleaners:

- ATRON® SP 400 is very stable against foaming, even with high flux content.
- ATRON® SP 400 can easily be filtered and therefore provides 3 to 10 times longer bath life than traditional surfactant cleaners. This results in a lower volume of used cleaner, which has to be disposed and reduces cleaning agent costs.
- Excellent compatibility with solder pallets and condensation traps
- Excellent compatibility with machine parts (i.e. made of PVC)
- ATRON® SP 400 has no flashpoint and can be used without ex-proofed equipment
- No building of organics in the rinsing section
- Low odor.

Process Steps	1. Cleaning	2. Rinsing	3. Drying
Spray-in-air	ATRON® SP 400	Tap water at room temperature	Hot or circulating air

Technical Data

ATRON® SP 400 is available as a concentrate or ready-to-use solution.
Please note that the information below represents ATRON® SP 400 as a ready-to-use mixture.

Density	(g/ccm) at 20°C/68°F	1.01
Surface tension	(mN/m) at 25°C/77°F	n.a.
Boiling range	°C/°F	100-190 / 212-374
Flash point	°C/°F	none
pH-Value	10g/l H ₂ O	10.4
Vapor pressure	(mbar) at 20°C/68°F	n.a.
Solubility in water		soluble
Cleaning temperature	°C/°F	15-35 / 59-95
Application concentration	Ready-to-use	Pure
Application concentration ¹	Concentrate in %	50
HMIS Rating	Health- Flammability- Reactivity	0 - 0 - 0

¹ the concentrate of ATRON® SP 400 has to be diluted in DI-water.

PRODUCT FEATURES



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



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

Environmental, health and safety regulations:

- ATRON® SP 400 is water-based and biodegradable.
- ATRON® SP 400 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 400 is available as ready-to-use solution and as a concentrate in 1l bottles, 5l or 25l containers and 200l drums.
- This product is non-hazardous material.
- Store ATRON® SP 400 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.

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