

# 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)               | +  |                                      |

++ 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](mailto: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.<br>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 <sub>2</sub> 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 <sup>1</sup>  | Concentrate in %                 | 50                |
| HMIS Rating   | Health- Flammability- Reactivity | 0 - 0 - 0         |

<sup>1</sup> 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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