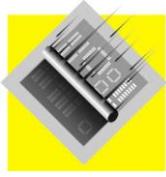


ZESTRON® SW

Precision cleaning agent for SMT stencil printer wipe systems



ZESTRON® SW is a solvent-based cleaner with a high flash point, which was specifically designed for the use in SMT printers without vacuum drying. ZESTRON® SW achieves reproducible cleaning results and dries residue-free, thus it increases the reliability of the printing process.

| Areas of application: Stencil underside wipe cleaning | | Additional product information: |
|--|----|---|
| Solder paste (unsoldered) | ++ | Technical Information 3: Material compatibility overview Technical Information 4: Additional information on stencil printer underside wipe cleaning Application Recommendation: Specific process parameters for your cleaning trial |
| SMT or conductive adhesives | + | |

++ 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:

- Due to its wide process window ZESTRON® SW reliably removes solder pastes from the stencil underside.
- Dries fast and residue-free on stencils after dry wipe.
- Good delineation stability and reduced solder balling (see Technical Information 4)
- Unlike Isopropanol (flash point: 12°C/54°F) ZESTRON® SW (flash point: 67°C/153°F) dramatically increases operational safety while operating stencil printing equipment.
- ZESTRON® SW is based on non-halogen, organic solvents.
- ZESTRON® SW is biodegradable.
- Reduces the amount of cleaning cycles.

ZESTRON® SW has been approved by leading international manufacturers for the use in their stencil printers. Written approvals can be obtained from ZESTRON.

Please refer to the material compatibility list (Technical Information 3) before cleaning plastics.

| Process Steps | 1. Cleaning | 2. Drying |
|---|-------------|----------------------|
| SMT printer with or without vacuum drying | ZESTRON® SW | Dry fleece or vacuum |

| Technical Data | | |
|---------------------------|--------------------------------|-----------------------|
| Density | (g/ccm) at 20°C/68°C | 0.89 |
| Surface tension | (mN/m) at 25°C/77°F | 27.6 |
| Boiling range | °C/°F | 100 – 171 / 212 – 340 |
| Flash point | °C/°F | 67 / 153 |
| pH-value | 10g/l H ₂ O | Neutral |
| Vapor pressure | (mbar) at 20°C/68°F | Approx. 3 |
| Cleaning temperature | °C/°F | Room temperature |
| Application concentration | Ready-to-use | Pure |
| HMIS Rating | Health-Flammability-Reactivity | 1 – 2 – 0 |

PRODUCT FEATURES



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



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



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

Environmental, health and safety regulations:

- ZESTRON® SW is free of any halogenated compounds and is biodegradable.
- Refer to the MSDS for specific handling precautions and instructions.

Availability/Storage:

- ZESTRON® SW is available in 1l bottles, 5l or 25l containers and 200l drums.
- According to EU standards, special labelling is necessary, but the product is not a hazardous material.
- Store ZESTRON® SW 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.

Alternative product recommendation:

- For water-based stencil underside wipe cleaning in printers with vacuum drying, we recommend VIGON® SC 200.