

ZESTRON® USW



Solvent-based cleaning medium for SMT stencil printer wipe systems

ZESTRON® USW is a solvent-based cleaner that features a high flash point and is specifically formulated for SMT printers that do not require vacuum drying. It delivers consistent cleaning outcomes and ensures residue-free drying. ZESTRON® USW significantly enhances the reliability of printing processes.

Areas of Application: Stencil underside wiping in SMT printers

Recommended Applications:	Additional Product Information
Solder paste (unsoldered)	Material Compatibility Overview Safety Data Sheet

Applies to leaded and lead-free solder pastes

Key Benefits

- Due to its wide process window ZESTRON® USW reliably removes solder pastes from the stencil underside.
- Good delineation stability and reduced solder balling.
- Dries fast and residue-free on stencils after dry wipe.
- Halogen free and biodegradable.
- Unlike Isopropanol (flash point: 12°C/54°F) ZESTRON® USW (flash point: 67°C/153°F) dramatically increases operational safety while operating stencil printing equipment.

Process Steps

Cleaning Process	Parts	1. Cleaning	3. Drying
SMT printer with or without vacuum drying	Stencil Underside Wipe	ZESTRON® USW	Dry fleece or vacuum

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

Technical Data:

Density	(g/cm ³) at 20°C/68°F	0.89
Surface tension	(mN/m) at 25°C/77°F	27.6
Boiling point	°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 – 1 – 0

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

- ZESTRON® USW is solvent-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 ZESTRON® USW 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.



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