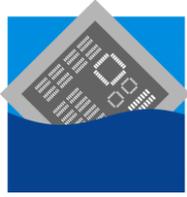


# VIGON® SC

## Water-based cleaning agent for the removal of solder pastes and SMT adhesives from stencils



VIGON® SC is a water-based cleaning medium designed for cleaning SMT stencils in spray-in-air equipment. Based on the MPC® Technology, VIGON® SC reliably removes solder pastes and SMT adhesives in a single process. Furthermore, VIGON® SC can be used for cleaning misprinted PCB's. Depending on the flux type, this also applies to double-sided, populated circuit boards. VIGON® SC can also be used for stencil underside wiping in SMT printers.

Areas of application: Stencil and misprinted board cleaning		Additional product information :
Solder paste (unsoldered)	++	<b>Technical Information 2:</b> Overview of all fluxes, SMT adhesives and solder pastes tested  <b>Technical Information 3:</b> Material compatibility overview  <b>MPC® Technology Information Sheet:</b> Additional information on MPC® Technology
SMT or conductive adhesives	+	
Resin-based flux residues	+	
Low solid flux residues	0	
Water soluble flux residues	++	

++ 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



### Advantages compared to other cleaners:

- VIGON® SC dries twice as fast as water, therefore, the process time can be significantly reduced.
- Excellent filterability and therefore a long bath life as well as low maintenance costs.
- Surfactant-free formulation does not leave any residues on the surface or in the cleaning equipment.
- Applicable in spray-in-air systems, ultrasonics dip tanks and printers.
- VIGON® SC has no flash point and can be used without explosion-proof equipment.
- Low odor, pH-neutral, highest operational safety.

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

VIGON® SC is approved by leading international manufacturers of cleaning equipment and stencils. Written approvals can be obtained from ZESTRON.



Process Steps	1. Cleaning	2. Rinsing	3. Drying
Spray-in-air	VIGON® SC	VIGON® SC, water or DI-water	Hot, circulating or compressed air
Ultrasonic	VIGON® SC	VIGON® SC, water or DI-water	Hot, circulating or compressed air
Printer	VIGON® SC	Not applicable	Dry fleece and vacuum

\* Depending on the water hardness, rinsing with regular water may be sufficient for stencil cleaning. In the case of high water hardness, lime marks may stay behind. For misprint cleaning, rinsing with DI-water is highly recommended.

Technical Data		
Density	(g/ccm) at 20°C/68°F	0.99
Surface tension	(mN/m) at 25°C/77°F	35.2
Boiling range	°C/°F	98 / 208
Flash point	°C/°F	None
pH-value	10g/l H <sub>2</sub> O	Neutral
Vapor pressure	(mbar) at 20°C/68°F	31.38
Solubility in water		Soluble
Cleaning temperature	°C/°F	40 – 50 / 104 – 122
Application concentration <sup>1</sup>	Ready-to-use	Pure
HMIS Rating	Health-Flammability-Reactivity	0 – 0 – 0

<sup>1</sup> VIGON® SC is recommended to be diluted with DI-water only.

PRODUCT FEATURES	
 Extensively tested and suitable for cleaning of lead-free solder pastes	 MPC® Technology ensures an extremely long bath life when used in a closed loop system
 100% compliance with EU guidelines (RoHS 1 & 2, WEEE)	 Product is free of any critical substances according to SIN & SVHC lists

### Filter recommendation:

- To take full advantage of the MPC® Technology and further extend the bath life of VIGON® SC bath life, filtration is recommended.
- For details, please request our “Filter Recommendation” sheet.

### Environmental, health and safety regulations:

- VIGON® SC is formulated free of any halogenated compounds and is biodegradable.
- Water rinsing is not necessary.
- No special precaution when handling VIGON® SC is required.

### Availability/Storage:

- VIGON® SC is available as ready-to-use solution in 1l bottles, 5l or 25l containers and 200l drums.
- VIGON® SC is a non-hazardous material and according to EU standards, no special labeling is necessary.
- Store VIGON® SC 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 applications at room temperature we recommend VIGON® SC 200.
- For the cleaning of water-sensitive screens, ZESTRON® SD 301 is recommended.