

# VIGON® SC 202

## Water-based stencil- and PCB-cleaner for the removal of solder pastes, SMT-adhesives and fluxes



VIGON® SC 202 is a water-based cleaning agent designed for the reliable removal of solder pastes and SMT adhesives from stencils. Based on the MPC® Technology, this medium has also been developed to clean double-sided misprints, with one side already soldered. The cleaning agent is recommended to be used in spray-in-air and ultrasonic cleaning systems.

Areas of application: Stencil and misprinted board cleaning		Additional product information :
Solder paste (unsoldered)	++	<b>Technical Information 2:</b> Overview of all fluxes and solder pastes tested <b>Technical Information 3:</b> Material compatibility overview <b>Application Recommendation:</b> Specific process parameters for your cleaning trial <b>MPC® Technology Information Sheet:</b> Additional information on MPC® Technology
SMT or conductive adhesives	++	
Low solid flux residues*	+	
Rosin-based flux residues*	+	
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



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:

- VIGON® SC 202 has been specifically developed for the removal of fluxes from double-sided misprinted boards with one side already soldered.
- VIGON® SC 202 has high bath loading capability, excellent filterability and therefore a long bath life as well as reduced cleaning costs.
- This water-based cleaner is surfactant-free and can easily be rinsed without leaving any residues.
- VIGON® SC 202 has no flash point and can be used without explosion-proof protection.
- The cleaner can be used in spray-in-air systems and ultrasonic dip tanks.
- No foaming when used in spray-in-air systems, low odor.

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

VIGON® SC 202 is approved by leading international manufacturers of cleaning equipment. Written approvals can be obtained from ZESTRON.

Process Steps	1. Cleaning	2. Rinsing	3. Drying
Spray in air	VIGON® SC 202	Water or DI-water	Hot, compressed or circulating air
Ultrasonic	VIGON® SC 202	Water or DI-water	Hot, compressed or circulating air

\* Depending on the water hardness, rinsing with regular water might 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		
VIGON® SC 202 is available as concentrate and ready-to-use solution. Please note that the information below represents the ready-to-use mixture. The recommended application temperature is 25 °C / 77° F (room temperature). However, the cleaner can be used between 25-50 °C / 77-122° F for the cleaning of stencils and misprints in a single process.		
Density	(g/ccm) at 20°C/68°F	0.99
Surface tension	(mN/m) at 25°C/77°F	28.7
Boiling range	°C/°F	95 – 212 / 203 - 414
Flash point	°C/°F	None
pH-value	10g/l H <sub>2</sub> O	9
Vapor pressure	(mbar) at 20°C/68°F	18.1
Cleaning temperature	°C/°F	20 – 50 / 68 – 122
Solubility in water		Soluble
Application concentration	Ready-to-use	Pure
Application concentration <sup>1</sup>	Concentrate	25 %
HMIS Rating	Health-Flammability-Reactivity	0 – 0 – 0

<sup>1</sup> VIGON® SC 202 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 202, filtration is recommended.
- For details, please request our “Filter Recommendation” sheet.

## Environmental, health and safety regulations:

- VIGON® SC 202 is water-based and biodegradable.
- The cleaning agent is formulated free of any halogenated compounds and is environmentally friendly.
- No special precaution when handling VIGON® SC 202 is required.

## Availability/Storage:

- VIGON® SC 202 is available as a ready-to-use-solution or as concentrate in 1l, bottles and 5l or 25l containers.
- VIGON® SC 202 is a non-hazardous material and according to EU standards does not require specific labeling.
- Store VIGON® SC 202 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 the proper removal of persistent flux residues we recommend the MPC® based cleaning medium VIGON® A 201.
- For the cleaning of stencils in automated cleaners and printers, we recommend the well proven VIGON® SC 200.