

VIGON® SC 202

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



VIGON® SC 202, based on MPC® Technology (Micro Phase Cleaning), is a water-based cleaning agent designed for the reliable removal of solder pastes and SMT adhesives from stencils. The product 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)	++	Application Recommendation: Specific parameters for your cleaning process Technical Information 2: Overview of all fluxes and solder pastes tested Technical Information 3: Material compatibility overview MPC® Technology sheet: 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

Technical Centers - ① America ② Europe ③ Malaysia ④ East China ⑤ South China Cleaning Process Solutions under Production Floor Conditions



Contact ZESTRON's Process Engineering Team for free-of-charge cleaning trials:
 Phone: +1 (703) 393-9880; Email: infoUSA@zestron.com

Advantages compared to other surfactant cleaners:

- VIGON® SC 202 has been specifically developed for the removal of fluxes from double-sided misprinted boards with one side soldered.
- VIGON® SC 202 is easily filtered and therefore provides an extended bath life and reduces cleaning agent costs.
- This water-based cleaner is surfactant-free and can be easily rinsed residue-free.
- VIGON® SC 202 has no flash point and can be used in equipment without explosion-proof protection.
- The cleaner is applicable in spray-in-air systems and ultrasonic dip tanks.
- No foaming when used in spray-in-air systems.
- Low odor.
- Halogen free.

Please refer to the material compatibility datasheet (Technical Information 3) prior to cleaning plastics.



Process	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 mineral content of the water, rinsing with regular water might be sufficient for stencil cleaning. In the case of high mineral content, scale may build up. For misprint cleaning, rinsing with DI-water is highly recommended.

Technical Data: VIGON® SC 202 as a ready-to-use mixture.		
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 ₂ O	9
Vapor pressure	(mbar) at 20°C/68°F	18.1
Cleaning temperature	°C/°F	25 - 50 / 77 - 122
Solubility in water		Soluble
Application concentration	Ready to use	Pure
Application concentration	Concentrate	25 %
HMIS rating	Health-Flammability-Reactivity	0 - 0 - 0

PRODUCT FEATURES



Extensively tested and suitable for cleaning of LF solder pastes



MPC® Technology ensures an extremely long bath life when processed closed loop



100% compliance with EU guidelines



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

Environmental, health and safety regulations:

- VIGON® SC 202 is water-based and biodegradable.
- The cleaner does not contain any halogenated compounds and is environmentally friendly.

Availability

- VIGON® SC 202 is available as a ready-to-use solution or as a concentrate (mixing ratio 25%) in 1L, 5L or 25L containers.
- VIGON® SC 202 is a non-hazardous material.

Storage:

- 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 proper removal of persistent flux residues, we recommend the MPC® based cleaning medium VIGON® A 250 and VIGON® A 201.
- For the cleaning of stencils in automated cleaners and printers, we recommend the well proven VIGON® SC 200, also based on the patented MPC® Technology.

