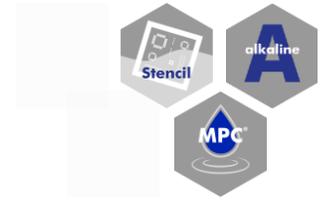


VIGON® SC 202

Water-based stencil and misprint 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 misprint cleaning

Recommended Solder Paste Applications:	Additional Product Information
Solder paste (unsoldered)	Material Compatibility Overview
SMT or conductive adhesives	MPC® Technology Sheet
Low solid flux residues	Specific Cleaning Process Parameters
Rosin-based flux residues	Overview of Fluxes and Solder Pastes Tested
Water soluble flux residues	Safety Data Sheet

Applies to leaded and lead-free solder pastes and liquid fluxes

Key Benefits

- 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 is easily filterable and therefore provides an extended bath life and reduced cleaning agent costs.
- VIGON® SC 202 has no flash point and can be used in equipment's 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 and halogen-free.

Process Steps

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

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

Technical Data: VIGON® SC 202 as a Ready-to-use Mixture

Density	(g/cm ³) at 20°C/68°F	0.99
Surface tension	(mN/m) at 25°C/77°F	28.7
Boiling point	°C/°F	95 – 212 / 203 – 414
Flash point	°C/°F	None until boiling
pH value	10g/l H ₂ O	9.0
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 ¹	Concentrate	25%
HMIS Rating	Health-Flammability-Reactivity	0 – 0 – 0

¹ VIGON® SC 202 is recommended to be diluted in DI-water

Product Features & Cleaning Standards



MPC® Technology ensures an extremely long bath life when used in a closed loop system



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

- Water-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 or as a ready-to-use mixture
- 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.



Process Optimization



To ensure a stable running cleaning process, it is important to monitor cleaning agent concentration. For VIGON® SC 202 the following process support product is available:



Concentration measurement:

- ZESTRON® EYE / ZESTRON EYE® Mobile for automated real-time concentration monitoring providing 100% traceability.
- ZESTRON® Bath Analyzer 20 is a manual test method for fast and reliable checks of cleaning agent concentration.

Contact ZESTRON's Application Engineering Team for more information or trials:
Phone: +1 (703) 393-9880 Email: infousa@zestron.com