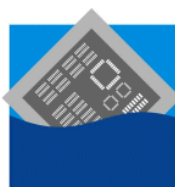


VIGON® SC 200

TECHNICAL INFORMATION 1

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



VIGON® SC 200, based on the MPC® Technology (Micro Phase Cleaning), is a water-based cleaning agent designed to clean SMT stencils at room temperature. The cleaning agent reliably removes solder pastes and SMT adhesives in one single process and can also be used for stencil underside wipe processes in printers. It is designed for use in spray-in-air and ultrasonic cleaning systems and is also recommended for the cleaning of misprinted solder paste. Depending on the type of flux, VIGON® SC 200 can also be suggested for both double-sided and single-side soldered circuit boards.

| 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 Technical Information 4: Additional Information on stencil underside wipe processes in printer MPC® Technology sheet: Additional information on MPC® Technology |
| SMT or conductive adhesives | ++ | |
| Lead-free fluxes | 0 | |
| No-Clean fluxes | 0 | |
| 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:

- Consistently good cleaning results at temperatures between 18-40°C / 64-104°F.
- High bath loading capability providing extended bath life and reduced cleaning agent costs.
- Water-based, surfactant-free cleaner; leaves no residues on substrates or inside the equipment.
- Excellent material compatibility.
- No flash point and thus, can be used without explosion-proof protection.
- Non foaming when used in spray in air and ultrasonic 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 200 | VIGON® SC 200 or DI-water* | Hot air or circulating air |
| Ultrasonic | VIGON® SC 200 | VIGON® SC 200 or DI-water* | Hot air or circulating air |
| Printer | VIGON® SC 200 | Not applicable | Vacuum drying |

* Depending on the mineral content of the water, rinsing with regular water might be sufficient for stencil cleaning. However, hard water may cause scale built-up. For misprint cleaning, rinsing with DI-water is highly recommended.

| Technical Data: VIGON® SC 200 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 | 29.7 |
| Boiling range | °C/°F | 95 - 212 / 203 - 414 |
| Flash point | °C/°F | None |
| pH-value | 10g/l H ₂ O | Neutral |
| 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 | Concentrate | 25 % |
| HMS rating | Health-Flammability-Reactivity | 0 - 0 - 0 |

PRODUCT FEATURES



Extensively tested and suitable for cleaning of lead-free solder pastes



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



100% compliance with EU guidelines (RoHS 1 & 2, WEEE)



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

Environmental, health and safety regulations:

- VIGON® SC 200 is water-based and biodegradable.
- Water rinsing is not necessary. This results in the elimination of waste water streams and water treatment processes.
- The cleaning agent is formulated free of any halogenated compounds.
- Refer to the MSDS for specific handling precautions and instructions.

Availability:

- VIGON® SC 200 is available as a ready-to-use-solution or as concentrate (mixing ratio 25%) in 1L, 5L and 25L containers.
- VIGON® SC 200 is a non-hazardous material.

Storage:

- Store VIGON® SC 200 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.

Filter recommendation:

- To take full advantage of the MPC® Technology and further extend the bath life of VIGON® SC 200, filtration is recommended.
- For details, please request our "Filter Recommendation" sheet.

Alternative product recommendation:

- For the cleaning of single-side soldered and double-sided misprinted circuit boards, we recommend VIGON® SC 202.
- Written approvals can be obtained from ZESTRON upon request.

VIGON® SC 200 is approved by leading international cleaning equipment manufacturers.