

## VIGON® SC 211



### Water-based stencil cleaning agent for the removal of solder pastes

VIGON® SC 211 is an aqueous-based cleaning agent developed specifically for SMT stencils. The cleaning agent reliably removes a wide range of raw solder pastes from stencils at room temperature as well as misprints of solder paste. VIGON® SC 211 is designed to be used in spray-in-air and ultrasonic cleaning systems and is compatible with nano coated stencils.

### Areas of Application: Stencil cleaning and misprint cleaning

| Recommended Solder Paste Applications: | Additional Product Information                       |
|--|--|
| Solder Paste (unsoldered)              | Material Compatibility Overview<br>Safety Data Sheet |

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

### Key Benefits

- Residue-free drying, does not leave streaks on stencils
- Excellent material compatibility with stencils including nanocoating materials
- Applicable in closed-loop systems
- Low odor

### Process Steps

| Cleaning Process | Parts                  | 1. Cleaning   | 2. Rinsing                   | 3. Drying                  |
|------------------|------------------------|---------------|------------------------------|----------------------------|
| Spray-in-air     | Stencils and misprints | VIGON® SC 211 | VIGON® SC 211<br>or DI-water | Hot air or circulating air |
| Ultrasonic       | Stencils and misprints | VIGON® SC 211 | VIGON® SC 211<br>or DI-water | Hot air or circulating air |

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

## Technical Data: VIGON® SC 211 at 10% Concentration

|  |                                   |                    |
|--|-----------------------------------|--------------------|
| Density                                | (g/cm <sup>3</sup> ) at 20°C/68°F | 1.00               |
| Surface tension                        | (mN/m) at 25°C/77°F               | 31.4               |
| Boiling point                          | °C/°F                             | > 98 / > 208       |
| Flash point                            | °C/°F                             | None until boiling |
| pH value                               | 10g/l H <sub>2</sub> O            | Neutral            |
| Vapor pressure                         | (mbar) at 20°C/68°F               | Approx. 20         |
| Cleaning temperature                   | °C/°F                             | 20 – 60 / 68 – 140 |
| Solubility in water                    |                                   | Soluble            |
| Application concentration <sup>1</sup> | Concentrate                       | 10 – 15%           |
| HMIS Rating                            | Health-Flammability-Reactivity    | 0 – 0 – 0          |

<sup>1</sup> VIGON® SC 211 is recommended to be diluted in DI-water

## Product Features & Cleaning Standards



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.
- Compliant with the latest ODS regulations and does not contain HAPs.
- Refer to the SDS for specific handling precautions and instructions.

## Availability & Storage

|           |   |
|-----------|---|
| 1 Liter   | ✓ |
| 5 Liter   | ✓ |
| 25 Liter  | ✓ |
| 200 Liter | ✓ |

- Available as concentrate
- Store VIGON® SC 211 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 211 the following process support product is available:



### Concentration measurement:

- 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](mailto:infousa@zestron.com)