

VIGON® A 200

Aqueous-based cleaning medium for flux removal



VIGON® A 200, based on the MPC® Technology, is a water-based cleaning agent specifically developed for use in high and medium spray pressure equipment such as inline and batch machines. It removes all types of flux residues from electronic assemblies, ceramic hybrids, power modules and lead frames. VIGON® A 200 meets the highest cleanliness requirements for subsequent wire bonding and coating steps.

Areas of Application: PCB Defluxing, Ceramic Hybrids, Power Modules, Lead Frames

Recommended Applications:	Additional Product Information
Low Solid Flux Residues	Material Compatibility Overview
Rosin-Based Flux Residues	MPC® Technology Sheet
Water Soluble Flux Residues	Safety Data Sheet

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

Key Benefits

- VIGON® A 200 is easily filtered and therefore provides an extended bath life and reduces cleaning agent costs.
- Due to its surfactant-free formulation, VIGON® A 200 can be easily rinsed and does not leave any residues on the surface, thereby providing low ionic contamination values on cleaned parts.
- VIGON® A 200 provides the highest cleanliness levels for subsequent wire bonding and coating steps.
- Does not contain any halogenated compounds and does not foam, even in high pressure applications.
- Halogen free and low odor.

Process Steps

Cleaning Process	Parts	1. Cleaning	2. Rinsing	3. Drying
Spray-in-air (inline & batch)	PCBs, Ceramic Hybrids, Power Modules, Lead Frames	VIGON® A 200	DI-water	Hot air or circulating air
Ultrasonic	PCBs, Ceramic Hybrids, Power Modules, Lead Frames	VIGON® A 200	DI-water	Hot air or circulating air

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

Technical Data: VIGON® A 200 at 20% Concentration

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	100 – 212 / 212 – 414
Flash point	°C/°F	None until boiling
pH value	10g/l H ₂ O	10.9
Vapor pressure	(mbar) at 20°C/68°F	Approx. 20
Cleaning temperature	°C/°F	40 – 70 / 104 – 158
Solubility in water		Soluble
Application concentration ¹	Concentrate	15 – 20%
HMIS Rating	Health-Flammability-Reactivity	0 – 0 – 0

¹ VIGON® A 200 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
- Store VIGON® A 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.



Process Optimization



To ensure a stable running cleaning process, it is important to monitor cleaning agent concentration. For VIGON® A 200 the following process support product is available:



Concentration measurement:

- ZESTRON® EYE concentration monitoring systems accurately and automatically measure the cleaning agent concentration.
- ZESTRON® Bath Analyzer 10 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:
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