

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's, ceramic hybrids, power modules, lead frames		Additional product information:
Low solid flux residues*	++	Application Recommendation: Specific parameters for your cleaning trial 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
Rosin-based flux residues*	++	
Water soluble flux residues*	++	
Solder pastes (unsoldered)	++	
SMT or conductive adhesives	0	

++ 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® 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.
- Explosion proof protection not required.
- VIGON® A 200 creates 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.

Please refer to the material compatibility datasheet (Technical Information 3) prior to cleaning plastics. VIGON® A 200 is approved by leading international cleaning equipment manufacturers. Written approvals can be obtained from ZESTRON upon request.

Process	1. Cleaning	2. Rinsing	3. Drying
Spray-in-air (Inline and batch process)	VIGON® A 200	DI-water	Hot or circulated air
Ultrasonic	VIGON® A 200	DI-water	Hot or circulated air

Technical Data: Please note that the information below represents VIGON® A 200 at 20 % concentration.		
Density	(g/ccm) at 20°C/68°F	0.99
Surface tension	(mN/m) at 25°C/77°F	31.2
Boiling range	°C/°F	100 - 212 / 212 - 414
Flash point	°C/°F	None
pH-value	10g/l H ₂ O	10.9
Vapor pressure	(mbar) at 20°C/68°F	20
Cleaning temperature	°C/°F	40 - 70 / 104 - 158
Solubility in water		Soluble
Application concentration	%	15 - 20
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® A 200 is water-based and biodegradable.
- The cleaner does not contain any halogenated compounds and is environmentally friendly.

Availability:

- VIGON® A 200 is available as concentrate in 1L, 5L or 25L containers and 200L drums.
- This product is non-hazardous.

Storage:

- 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.

