VIGON® N 501

Aqueous-based, pH-neutral defluxing agent for spray-in-air cleaning processes

VIGON® N 501 is an innovative and one-of-a-kind defluxing product with a revolutionary **pH-neutral formulation**. The cleaning agent was specifically developed to be used in spray-in-air inline and batch cleaning applications utilizing low operating concentrations. Its excellent cleaning performance and ability to remove a wide range of flux residues from electronic assemblies under pH-neutral conditions is unprecedented.

Areas of application: PCB cleaning		Further Information for this product:
Low solid flux residues	++	**Technical Information Sheet 2:** Overview of all fluxes and solder pastes tested
Water-soluble flux residues	++	**Technical Information Sheet 3:** Material Compatibility overview
Rosin-based flux residues	++	**MPC® Technology Sheet:** Detailed information on the MPC® Technology
Solder paste (unsoldered)	+	

++ highly recommended, best results + recommended o possible

Free-of-Charge Cleaning Trials at ZESTRON's Technical Centers

Free-of-charge cleaning trials can be performed at one of ZESTRON's Global Technical Centers. ZESTRON's European, North American and Asian Technical Centers feature spray-in-air, ultrasonic or spray-under-immersion processes. This provides an extensive overview on all available processes by leading international equipment manufacturers.

Upon completion of the cleaning trials, extensive analytical tests such as SIR and ionic residue measurements can be performed.

Please consult with ZESTRON's Application Technology Centers regarding future cleaning trials.

Advantages compared to other cleaners:

- Due to its neutral pH-value, the cleaning agent demonstrates an unprecedented level of material compatibility on sensitive materials such as aluminum, brass or nickel, plastics, labels and inks.
- Reduced wear and tear of the equipment results in lower maintenance costs.
- Due to its pH-neutral formulation no costly waste water neutralization is required.
- Exceptional ability to clean underneath low standoff components.
- VIGON® N 501 does not contain any alkaline compounds and is therefore better suited for media entrapment under low standoff components where rinsing and drying is not guaranteed.

Please refer to the material compatibility list (Technical Information 3) before cleaning plastics.

ZESTRON
11285 Assett Loop
Manassas, VA 20109
USA
Phone (703) 393-9880
Toll Free: (888) 999-9116
Fax: (703) 393-8618
www.zestron.com
infousa@zestron.com

Process	Cleaning	Rinsing	Drying
Spray-in-air	VIGON® N 501	DI-water	Hot air or circulating air

Technical Data Please note that the following information represents VIGON® N 501 at 10 % concentration.		
Density	(g/ccm) at 20°C/68°F	1.00
Surface tension	(mN/m) at 25°C/77°F	25.1
Boiling point	°C/°F	>98 / >208
Flash point	°C/°F	NONE
pH-Value	10g/l H_2O	NEUTRAL
Vapor pressure	(mbar) at 20°C/68°F	n.a
Cleaning temperature	°C/°F	40 - 70 / 104 - 158
Solubility in water		Partially soluble
Application concentration	%	10 -15
HMIS Rating	Health, Flammability, Reactivity	1-0-0

Lead-free Compliant:

VIGON® N 501 meets the new RoHS & WEEE guidelines as well as current worker safety standards and the actual applicable environmental requirements. Its formula is free of any other banned hazardous substances.

Extensive tests confirmed the qualification of VIGON® N 501 for the cleaning of lead-free solder pastes. For detailed results please request our Technical Information 2.

Environmental, health and safety regulations:

VIGON® N 501 is water-based and biodegradable. The cleaning agent does not contain any halogenated compounds and is not considered a hazardous material. No special precautions are required in the handling of the VIGON® N 501.

Availability/Storage:

VIGON® N 501 is available as concentrate in 1L bottles, 5L and 25L plastic canisters or 200L drums. Store VIGON® N 501 in the original container at temperatures between 41- 86°F / 5 - 30°C. The product has a minimum shelf life of 5 years in factory sealed containers.

ZESTRON
11285 Assett Loop
Manassas, VA 20109
USA
Phone (703) 393-9880
Toll Free: (888) 999-9116
Fax: (703) 393-8618
www.zestron.com
infousa@zestron.com