

# VIGON® N 640

## Water-based cleaning medium for PCB defluxing



VIGON® N 640 is a water-based, pH-neutral MPC® cleaning agent specifically developed for defluxing PCBs. The cleaning agent is optimized for the use in specific spray-in-air batch machines. VIGON® N 640 provides excellent cleaning performance on the latest solder pastes and fluxes, including those that are generally hard to remove, and provides a very good material compatibility with sensitive metals such as copper or nickel.

Areas of application: PCBs		Additional product information:
Rosin (RO)	++	<b>Technical Information 3:</b> Material Compatibility overview
Resin (RE / NoClean)	++	
Water soluble (OR / IN)	+	

++ highly recommended, best results  
- not recommended

+ recommended

0 possible (tested for standard batch cleaning equipment)

### Technical Centers - ① America, ② Europe, ③ Malaysia, ④ East-China, ⑤ South-China Cleaning Process Solutions under Production Floor Conditions



### Advantages compared to other cleaners:

- Optimized for the use in specific spray-in-air batch machines
- Ensures stable concentration between tank and chamber
- excellent cleaning results, even on solder pastes that are generally hard to remove
- can be easily rinsed off with DI-water, allowing to reduce the number of rinse cycles
- pH-neutral, providing very good material compatibility
- Suitable for select dip tank processes

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

Process Steps	1. Cleaning	2. Rinsing	3. Drying
Spray-in-air <sup>1</sup> (batch)	VIGON® N 640	DI-water	Hot air or circulating air
Select dip tanks <sup>2</sup> (US, SUI)	VIGON® N 640	DI-water	Hot air or circulating air

<sup>1</sup> Specifically recommended for machines with limited or no mixing of the cleaner in the tank.

<sup>2</sup> Requires evaluation prior to US and SUI implementation.

## Technical Data

Please note that the following information represents VIGON® N 640 at 15% concentration.

Density	(g/ccm) at 20°C/68°F	0.99
Surface tension	(mN/m) at 25°C/77°F	31,5
Boiling point	°C/°F	>98
Flash point	°C/°F	None until boiling
pH-value	10g/l H <sub>2</sub> O	7.23
Vapor pressure	(mbar) at 20°C/68°F	Approx. 20
Cleaning temperature	°C/°F	40 – 60 / 104 – 140
Solubility in water		Miscible
Application concentration	Concentrate	15-25%

<sup>1</sup> VIGON® N 640 is recommended to be diluted in DI-water.

## PRODUCT FEATURES



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



MPC® Technology ensures an extremely long bath life when used in a closed loop system



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



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

## Filter recommendation

- To take full advantage of the MPC® Technology and further expand the bath life of VIGON® N 640, filtration is recommended.
- For details, please request our "Filter Recommendation" sheet.

## Environmental, health and safety regulations:

- VIGON® N 640 is water-based and biodegradable.
- VIGON® N 640 is formulated free of any halogenated compounds and environmentally friendly.
- Refer to the MSDS for specific handling precautions and instructions.

## Availability/Storage:

- VIGON® N 640 is available as a concentrate in 1l bottles, 5l or 25l containers and 200l drums.
- This product is a non-hazardous material.
- Store VIGON® N 640 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.

# ZESTRON

**North Asia**  
Shanghai/Shenzhen-China  
infochina@zestron.com

**South Asia**  
Kulim-Malaysia  
infoasia@zestron.com

**America**  
Manassas, VA-USA  
infousa@zestron.com

**Europe**  
Ingolstadt-Germany  
info@zestron.com