

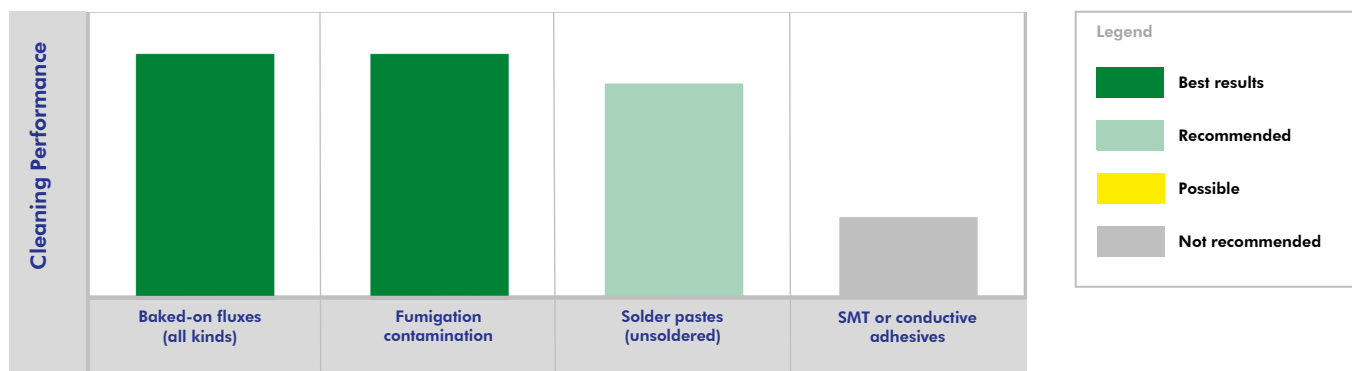
## VIGON® RC 101

Water-based cleaning medium for manual cleaning of reflow ovens and wave solder systems



Based on the MPC® Technology, VIGON® RC 101 was specifically developed to remove all types of baked-on flux residues from reflow and wave solder equipment. It reliably removes re-condensated fluxes and emissions from assemblies. VIGON® RC 303 is the successor product with increased cleaning performance.

### Areas of application



### Advantages compared to other cleaners

- VIGON® RC 101 has a mild formulation. Therefore, no special labeling is required.
- Excellent material compatibility with aluminum and epoxy surfaces
- The cleaning agent is also suitable for the pre-cleaning of condensation traps.
- VIGON® RC 101 has little odor.
- VIGON® RC 101 has no flash point and therefore can be applied directly onto cold or warm surfaces (30 - 40 °C / 86 - 104 °F).
- The medium does not contain any ingredients, which could leave residues on the oven surfaces; therefore, avoiding harmful condensations on the assembly surfaces after restarts.
- Due to the short soaking time, a quick and efficient cleaning process can be achieved and long machine downtimes can be avoided.
- Reduced cleaning agent consumption compared to IPA.

### Product Features & Cleaning Standards



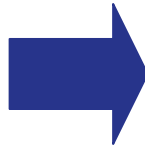
100% compliance with EU guidelines (RoHS 1, 2 & 3, WEEE)



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

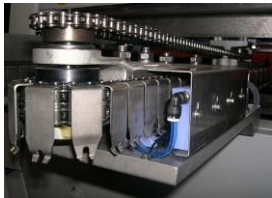
## Typical applications

### 1) Manual cleaning of reflow ovens and wave solder equipment



1. Spray directly onto cold or warm surfaces (1l bottle)
2. Allow cleaning agent to stand for approximately 5 min
3. Wipe surface clean with a cloth or paper towel
4. Air dry

### 2) Automated cleaning of conveyor fingers in wave solder equipment



1. Fill the cleaning reservoir of the wave solder equipment with VIGON® RC 101
2. Automatic brushing device in wave solder oven wipes conveyor fingers clean
3. Air dry

## Independent Test Center - Largest choice of leading machines, chemistry & analytics



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**Contact ZESTRON's process engineers for cleaning trials:**

Europe: Phone +49 (841) 63526; [techsupport@zestron.com](mailto:techsupport@zestron.com) / South Asia: Phone +604 (3996) 100; [support@zestronasia.com](mailto:support@zestronasia.com)  
Or visit our website for a virtual tour: <http://www.zestron.com/en/company/virtual-company-tour.html>

## Technical Data

Density	(g/ccm) at 20°C/68°F	0,99
Surface tension	(mN/m) at 25°C/77°F	29,4
Boiling point	°C/°F	>99 - 212°C / 210 - 414°F
Flash point	°C/°F	None
pH value	10g/l H <sub>2</sub> O	10.8
Vapor pressure	(mbar) at 20°C/68°F	Approx. 11
Cleaning temperature	°C/°F	20-50°C / 68-122°F
Solubility in water		Soluble
Application concentration	Ready-to-use	Pure
HMIS Rating	Health-Flammability-Reactivity	0 - 0 - 0

## Environmental, health & safety regulations

- VIGON® RC 101 is water-based and biodegradable.
- VIGON® RC 101 is formulated free of any halogenated compounds and therefore environmentally friendly.
- Refer to the SDS for specific handling precautions and instructions.
- This product is a non-hazardous material and according to EU standard special labeling is not required.

## Availability & Storage

1 Liter	✓
5 Liter	✓
25 Liter	✓
200 Liter	✓

- Available as ready-to-use solution
- Store VIGON® RC 101 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.



## Further product information

- **Material Compatibility**  
Please review the Material Compatibility overview before using the cleaning agent
- **MPC® Technology Sheet**  
Detailed information on MPC® Technology
- **Safety Data Sheet**