

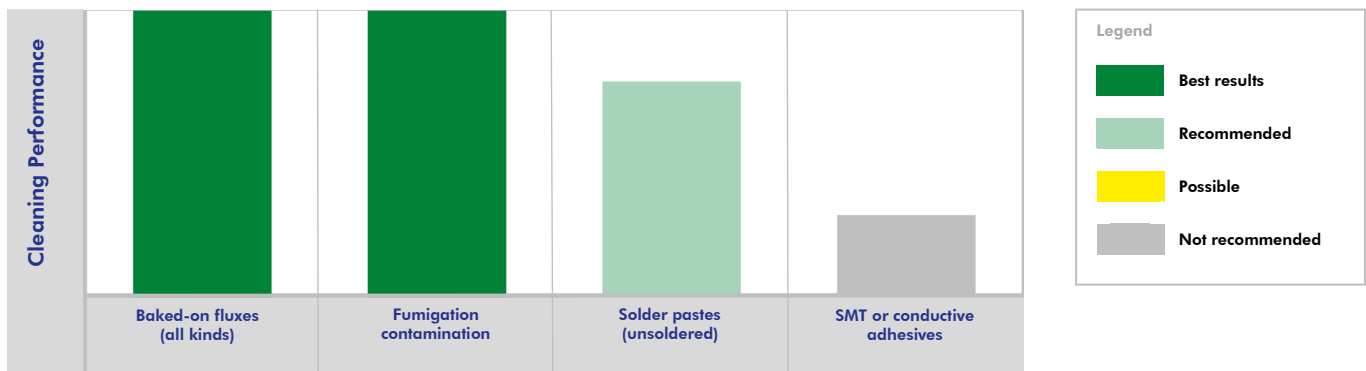
## VIGON® RC 303



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

VIGON® RC 303 was specifically developed to remove all types of baked-on flux residues from reflow and wave solder equipment. It reliably removes re-condensed fluxes and emissions from assemblies. Another area of application is the cleaning of sintering presses and drying ovens. Here, VIGON® RC 303 reliably removes sinter organics and also achieves excellent cleaning results. As the successor to VIGON® RC 101, VIGON® RC 303 delivers an improved cleaning performance with the same high level of operator safety.

### Areas of application



### Advantages compared to other cleaners

- Higher cleaning quality and process reliability:
  - » Improved cleaning performance
  - » The medium does not contain any ingredients which could leave residues on the oven surfaces; therefore, avoiding harmful condensation on the assembly surfaces after restarts.
  - » Excellent material compatibility with aluminum and epoxy surfaces
- Mild formulation:
  - » No flash point
  - » High operator safety
  - » Environmentally friendly
  - » No hazardous labeling
  - » Little odor
- More efficient cleaning process to avoid long machine downtimes
  - » Short soaking time due to advanced formulation
  - » Can be applied directly onto cold or warm surfaces (20 - 50 °C / 68 - 122 °F)
  - » Also suitable for the pre-cleaning of condensation traps

## 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

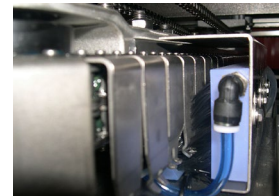
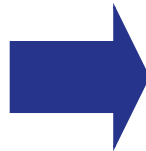
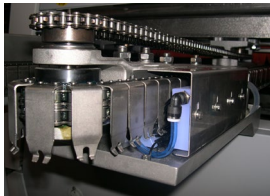
## Typical applications

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



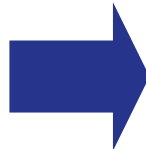
1. Spray directly onto cold or warm surfaces (1l bottle)
2. Allow cleaning agent to stand for approximately 5 min
3. Wipe surface clean with a cloth or paper towel
4. Air dry

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



1. Fill the cleaning reservoir of the wave solder equipment with VIGON® RC 303
2. Automatic brushing device in wave solder system wipes conveyor fingers clean
3. Air dry

### 3) Cleaning of sinter presses and drying ovens for sinter pastes



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

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

Europe: +49 8453 41995 318; [techsupport@zestron.com](mailto:techsupport@zestron.com) / South Asia: +604 (3996) 100; [support@zestronasia.com](mailto:support@zestronasia.com)

## Technical Data

Density	(g/ccm) at 20°C/68°F	1.01
Surface tension	(mN/m) at 25°C/77°F	31,8
Boiling point	°C/°F	>99°C / 210.2°F
Flash point	°C/°F	None
pH value	10g/l H <sub>2</sub> O	10.1
Vapor pressure	(mbar) at 20°C/68°F	Approx. 22
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 303 is water-based and biodegradable.
- VIGON® RC 303 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 303 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**

## Supplementary equipment

### Pressure Sprayer:

- For easy and fast dispensing in reflow oven and wave solder system cleaning applications, sintering presses and drying ovens
- Especially developed for spraying large surfaces within seconds
- Capacity: 1 liter
- Part number: 6991-0000

