

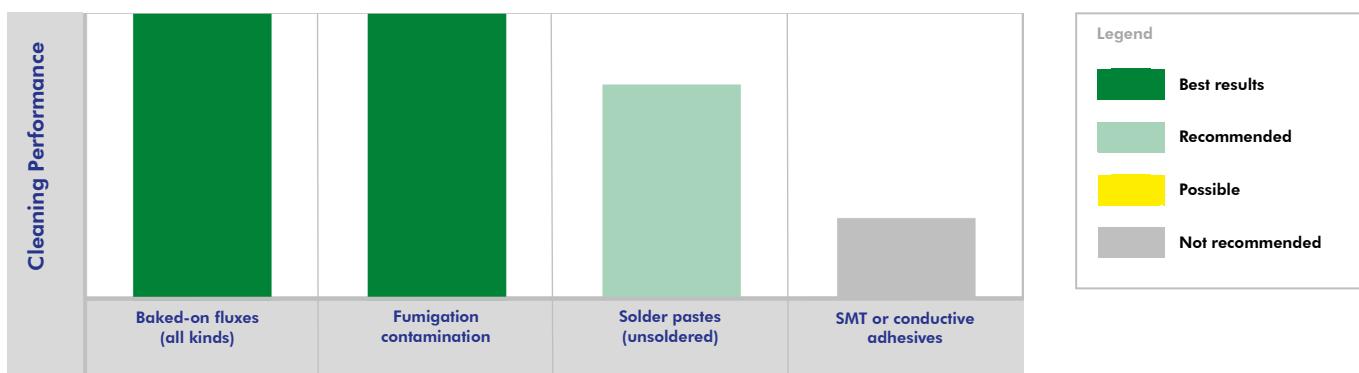
VIGON® RC 303

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. 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

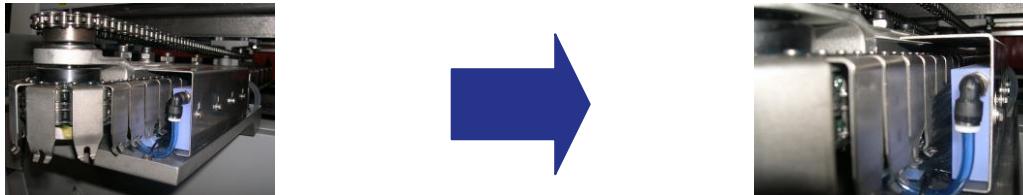
Typical applications

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

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Contact ZESTRON's process engineers for cleaning trials:

Europe: Phone +49 (841) 63526; techsupport@zestron.com / South Asia: Phone +604 (3996) 100; 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	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 ₂ 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
- Especially developed for spraying large surfaces within seconds
- Capacity: 1 liter
- Part number: 6991-0000

