

# VIGON® EFM

Precision cleaning medium for manual flux removal



VIGON® EFM is a precision cleaning agent designed to remove flux residues from electronic assemblies in manual applications. VIGON® EFM is a mixture of halogen-free, organic solvents. It dries fast and residue-free. VIGON® EFM is non-corrosive and compatible with most polymers.

Areas of application: Manual PCB cleaning	
Recommended solder paste applications:	Additional product information:
No Clean (NC)	Technical Information Sheet 3: Material compatibility overview
Rosin Mildly Activated (RMA)	
Rosin (R)	
Rosin Activated (RA)	

Applies to leaded and lead-free solder pastes and liquid fluxes

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



Contact ZESTRON's Process Engineering Team for free-of-charge cleaning trials:  
 Phone: +1 (703) 393-9880; Email: [infousa@zestron.com](mailto:infousa@zestron.com)

## Advantages compared to other cleaners:

- Dries fast and residue-free.
- VIGON® EFM is easy to use.
- Used for manual cleaning
- Suitable as a cleaning and rinsing agent.

Please refer to the material compatibility datasheet (Technical Information 3) prior to cleaning plastics.



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TECHNICAL INFORMATION 1

Process	1. Cleaning	2. Rinsing	3. Drying
Manual cleaning	VIGON® EFM	VIGON® EFM	Compressed air or open air

Technical Data			
		Liquid	Aerosol
Density	(g/ccm) at 20°C/68°F	0.72	Not determined
Surface tension	(mN/m) at 25°C/77°F	18.6	-
Boiling range	°C/°F	78 - 120 / 172 - 248	-44 / -47
Flash point	°C/°F	-12 / 10	-97 / -143
pH-value	10g/l H <sub>2</sub> O	neutral	neutral
Vapor pressure	(mbar) at 20°C/68°F	approx. 77	8300
Solubility in water		Not soluble	Not soluble
Cleaning temperature		Ambient temperature	Ambient temperature
Application concentration	Ready to use	pure	-
HMS rating	Health-Flammability-Reactivity	1 - 3 - 0	1 - 4 - 0

## PRODUCT FEATURES



Extensively tested and suitable for cleaning of LF solder pastes



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



100% compliance with EU guidelines

## Environmental, health and safety regulations:

- VIGON® EFM is a biodegradable, flammable cleaning medium.

## Availability:

- VIGON® EFM is available as an easy-to-use aerosol can with detachable brush for the manual removal of flux residues.
- It is also available as concentrate in 1L, 25L or 55L containers and 200L drums.

## Storage:

- Store VIGON® EFM 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.

## Alternative product recommendation:

- For the manual removal of SMT adhesives, we recommend ZESTRON® HC.

