

# VIGON® EFM

## Cleaning medium for manual flux removal



VIGON® EFM is a precision cleaning agent designed to remove flux residues from electronic assemblies in manual applications. This product can also be used in explosion-proof spray-in-air equipment. 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: PCB's		Additional product information :
Resin-based flux residues*	++	<b>Technical Information sheet 3:</b> Overview regarding material compatibility
Low solid flux residues*	0	
Water soluble flux residues*	-	

++ highly recommended, best results      + recommended      0 possible      - not recommended  
 \* Valid for all standard, lead-free and eutectic solder pastes

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



### Advantages compared to other cleaners:

- VIGON® EFM is especially suitable for the removal of resin-based flux residues.
- This product dries very fast and residue-free.
- VIGON® EFM is easy-to-use.
- It can be used for both manual and automatic cleaning in explosion-proof equipment.
- Very suitable as a cleaning and rinsing agent.

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



Process Steps	1. Cleaning	2. Rinsing	3. Drying
Spray-in-air	VIGON® EFM	VIGON® EFM	Compressed air or open air evaporation
Manual cleaning	VIGON® EFM	VIGON® EFM	Compressed air or open air evaporation

Technical Data		
Density	(g/ccm) at 20°C/68°C	0.72
Surface tension	(mN/m) at 25°C/77°F	18.6
Boiling range	°C/°F	78 - 120 / 172 - 248
Flash point	°C/°F	-12 / 10
pH-value	10g/l H <sub>2</sub> O	Neutral
Vapor pressure	(mbar) at 20°C/68°F	Approx. 77
Solubility in water		Not Soluble
Cleaning temperature		Ambient Temperature
Application concentration	Ready-to-use	Readymix
HMIS Rating	Health-Flammability-Reactivity	1 – 4 – 0

## PRODUCT FEATURES



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



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



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

## Environmental, health and safety regulations:

- VIGON® EFM is biodegradable.
- It is a highly flammable cleaning medium.
- Refer to the MSDS for specific handling precautions and instructions.

## Availability/Storage:

- 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 in 1l bottles, 25l or 55l containers and 200l drums.
- Store VIGON® EFM in the original container at a temperature between 5°C - 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 adhesive we recommend ZESTRON® HC.