

VIGON® EFM



Solvent based flux remover for manual PCB defluxing after rework

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: Manual PCB Cleaning

Recommended Solder Paste Applications:	Additional Product Information
No Clean (NC)	Material Compatibility Overview
Rosin Mildly Activated (RMA)	
Rosin (R)	Safety Data Sheet
Rosin Activated (RA)	

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

Key Benefits

- Especially suitable for removal of rosin and resin-based flux residues.
- Dries fast and residue-free.
- Easy to use, for both manual and automated cleaning in explosion-proof equipment.
- Suitable as a cleaning and rinsing agent.

Process Steps

Cleaning Process	Parts	1. Cleaning	2. Rinsing	3. Drying
Manual Cleaning	PCBs	VIGON® EFM	VIGON® EFM	Compressed air or open-air evaporation
Spray-in-air (explosion-proof)	PCBs	VIGON® EFM	VIGON® EFM	Compressed air or open-air evaporation

Please refer to the Material Compatibility Overview prior to cleaning plastics.

Technical Data: VIGON® EFM

		Liquid	Aerosol
Density	(g/cm ³) at 20°C/68°F	0.72	Not Determined
Surface tension	(mN/m) at 25°C/77°F	18.6	–
Boiling point	°C/°F	78 – 120 / 172 – 248	-44 / -47
Flash point	°C/°F	-12 / 10	-97 / -143
pH value	10g/l H ₂ O	Neutral	Neutral
Vapor pressure	(mbar) at 20°C/68°F	Approx. 77	8300
Cleaning temperature	°C/°F	Ambient Temperature	Ambient Temperature
Solubility in water		Not Soluble	Not Soluble
Application concentration	Ready to Use	Pure	–
HMIS Rating	Health-Flammability-Reactivity	1 – 3 – 0	1 – 4 – 0

Product Features & Cleaning Standards



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



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



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

Environmental, Health & Safety Regulations

- Biodegradable, highly flammable cleaning medium.
- Formulated free of any halogenated compounds.
- Refer to the SDS for specific handling precautions and instructions.

Availability & Storage

300 mL (Aerosol)	✓
945 mL (Liquid)	✓
18 Liter	✓
200 Liter	✓

- Available as concentrate
- 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.



Contact ZESTRON's Application Engineering Team for more information or trials:
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