

# 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:**

No Clean (NC)

Rosin Mildly Activated (RMA)

Rosin (R)

Rosin Activated (RA)

**Additional product information:**

Technical Information Sheet 3:  
Material compatibility overview

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**

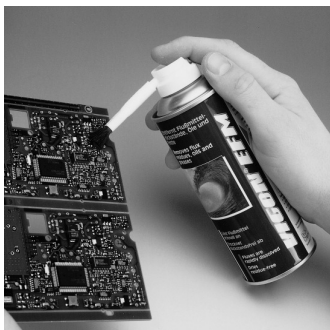


Contact ZESTRON's Process Engineering Team for free-of-charge cleaning trials:  
Phone: +1 (703) 393-9880; Email: [infousa@zestron.com](mailto:infousa@zestron.com)

## 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.



| 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                 | -                   |
| HMIS 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.

