# 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* | ++ | Technical Information sheet 3 : 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

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Technical Centers - ☒ America, ☒ Europe, ☒ Malaysia, ☒ North-China, ☒ South-China
Cleaning Process Solutions under Production Floor Conditions



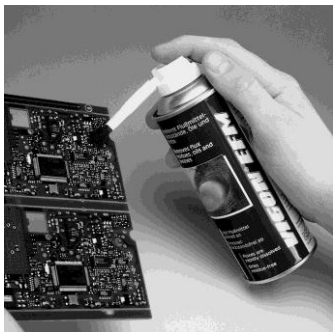

Contact ZESTRON's Process Engineering Team for free-of-charge cleaning trials :
Phone: +49-841-635-26; Email: techsupport@zestron.com

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### 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.






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| 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 $H_2O$ | 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 sold er 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.



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