

## VIGON® 3000-MC

Aqueous-based, pH neutral cleaning agent for precision and industrial parts cleaning



VIGON® 3000-MC is an MPC® (Micro Phase Cleaning) Technology based, innovative cleaning product with a revolutionary pH neutral formulation. The cleaning agent was developed for use in spray-in-air inline and batch cleaning applications. It has excellent cleaning performance and is able to remove a wide range of contaminations from metal parts.

### Areas of Application: Metal Cleaning

Recommended Solder Paste Applications:	Additional Product Information
Cutting Oils	Material Compatibility Overview  MPC® Technology Sheet  Safety Data Sheet
Lubricants	
Grease	
Grinding and Polishing Paste	
Particles	

### Key Benefits

- Excellent material compatibility with sensitive materials such as aluminum, brass, copper, and other alloys.
- Process traceability through concentration monitoring.
- Proven performance even at concentrations as low as 7.5%
- pH neutral formulation eliminates need for waste water neutralization.
- Simplified cleaning process utilizing one chemical versus traditional processes requiring the use of multiple chemicals (chemistry/defoamers, corrosion and rust inhibitors)

### Process Steps

Cleaning Process	Parts	1. Cleaning	2. Rinsing	3. Drying
Spray-in-air (inline & batch)	Metal Cleaning	VIGON® 3000-MC	DI-water	Hot air or circulating air

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

## Technical Data: VIGON® 3000-MC at 10% Concentration

Density	(g/cm <sup>3</sup> ) at 20°C/68°F	1.00
Surface tension	(mN/m) at 25°C/77°F	31.7
Boiling point	°C/°F	98 – 229 / 208 – 444
Flash point	°C/°F	None until boiling
pH value	10g/l H <sub>2</sub> O	Neutral
Vapor pressure	(mbar) at 20°C/68°F	Approx. 20
Cleaning temperature	°C/°F	40 – 70 / 104 – 158
Solubility in water		Soluble
Application concentration <sup>1</sup> (inline)	Concentrate	7.5 – 15%
Application concentration <sup>1</sup> (batch)	Concentrate	7.5 – 20%
HMIS Rating	Health-Flammability-Reactivity	0 – 0 – 0

<sup>1</sup> VIGON® 3000-MC is recommended to be diluted in DI-water

## Product Features & Cleaning Standards



MPC® Technology ensures an extremely long bath life when used in a closed loop system



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 and environmentally friendly material.
- Formulated free of any halogenated compounds.
- Compliant with the latest ODS regulations and does not contain HAPs.
- Refer to the SDS for specific handling precautions and instructions.

## Availability & Storage

1 Liter	✓
5 Liter	✓
25 Liter	✓
200 Liter	✓

- Available as concentrate
- Store VIGON® 3000-MC 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.



## Process Optimization



To ensure a stable running cleaning process, it is important to monitor cleaning agent concentration. For VIGON® 3000-MC the following process support product is available:



### Concentration measurement:

- ZESTRON® EYE concentration monitoring systems accurately and automatically measure the cleaning agent concentration.
- ZESTRON® Bath Analyzer 20 is a manual test method for fast and reliable checks of cleaning agent concentration.

Contact ZESTRON's Application Engineering Team for more information or trials:  
 Phone: +1 (703) 393-9880 Email: [infousa@zestron.com](mailto:infousa@zestron.com)