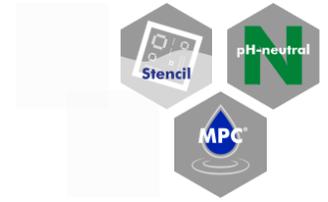


## VIGON® TC 150

Water-based stencil cleaning agent for the removal of thermally conductive compounds



VIGON® TC 150, based on the MPC® Technology (Micro Phase Cleaning), is a water-based, pH neutral cleaning agent specifically developed for the removal of thermally conductive compounds including silicon-based, silicon-free and silver/aluminum thermally conductive compounds from stencils and screens. It can also be used for removing silver sinter pastes from stencils and screens as well as uncured hydrophobic coatings from PCBs.

### Areas of Application: Stencils, Screens, and PCBs

Recommended Applications:	Additional Product Information
Thermal Conductive Pastes (silicon-based, silicon-free and silver/aluminum-based)	Material Compatibility Overview
Solder pastes (uncured)	
Silver Sintered pastes	MPC® Technology Sheet
Hydrophobic coatings*	Safety Data Sheet

\*Only valid for uncured coatings

### Key Benefits

- Excellent cleaning performance on thermally conductive compounds, silver sinter pastes, and the removal of uncured hydrophobic coatings.
- pH neutral, water-based formulation which is an ideal replacement for common solvent cleaners.
- No flashpoint, can be used in spray-in-air processes without explosion protection.

### Process Steps

Cleaning Process	Parts	1. Cleaning	2. Rinsing	3. Drying
Spray-in-air (batch)	Stencils, screens and PCBs	VIGON® TC 150	DI-water	Hot air or circulating air

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

## Technical Data: VIGON® TC 150 at 20% Concentration

Density	(g/cm <sup>3</sup> ) at 20°C/68°F	0.96
Surface tension	(mN/m) at 25°C/77°F	48.6
Boiling point	°C/°F	> 95 / > 203
Flash point	°C/°F	None
pH value	10g/l H <sub>2</sub> O	Neutral
Vapor pressure	(mbar) at 20°C/68°F	Approx. 20
Cleaning temperature	°C/°F	Room Temperature
Solubility in water		Soluble
Application concentration <sup>1</sup>	Concentrate	20%
HMIS Rating	Health-Flammability-Reactivity	0 – 1 – 0

<sup>1</sup> VIGON® TC 150 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

- Water-based and biodegradable.
- 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® TC 150 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® TC 150 the following process support product is available:



### Concentration measurement:

- 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:  
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