

VIGON® TC 150

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



VIGON® TC 150 is a water-based MPC® cleaning agent, specifically developed for the removal of thermally conductive compounds including silicon-based, silicon-free and silver/aluminium thermally conductive compounds from stencils and screens. This cleaning agent is also used for the removal of uncured hydrophobic coatings from PCBs and silver sinter pastes from stencils and screens.

Areas of application: Stencils and Screens, PCBs		Additional product information:
Thermally conductive compounds (silicon-based & silicon-free)	++	Material Compatibility overview
Silver and aluminium thermally conductive compounds	++	
Silver Sinter Pastes	+	
Hydrophobic coatings*	+	
Hydrophilic coatings	-	

++ highly recommended, best results + recommended 0 possible (tested for standard batch cleaning equipment)

- not recommended

* only valid as long as the coating is not cured

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: +49-841-635-26; Email: techsupport@zestron.com

Advantages compared to other cleaners:

- Very good cleaning performance on thermally conductive compounds
- Can also be used for the removal of uncured hydrophobic coatings from PCBs and silver sinter pastes from stencils and screens
- Water-based, therefore ideal replacement for common solvent cleaners
- Water-based formulation ensures improved health & worker safety
- No flashpoint, can be used in spray-in-air processes without explosion protection

Please refer to the Material Compatibility Overview before cleaning plastics.

Process Steps	1. Cleaning	2. Rinsing	3. Drying
Spray-in-air (batch)	VIGON® TC 150	DI-water	Hot air or circulating air

Technical Data		
Please note that the following information represents VIGON® TC 150 at 20% concentration.		
Density	(g/ccm) at 20°C/68°F	0.96
Surface tension	(mN/m) at 25°C/77°F	48.6
Boiling point	°C/°F	>98
Flash point	°C/°F	None until boiling
pH-value	10g/l H ₂ O	Neutral
Vapor pressure	(mbar) at 20°C/68°F	Approx. 20
Cleaning temperature	°C/°F	RT
Solubility in water		Soluble
Application concentration ¹	Concentrate	20%

¹ VIGON® TC 150 is recommended to be diluted in DI-water.

PRODUCT FEATURES



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



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



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

Filter recommendation:

- To take full advantage of the bath life of VIGON® TC 150, filtration is recommended.

Environmental, health and safety regulations:

- VIGON® TC 150 is water-based and biodegradable.
- The cleaning agent is formulated free of any halogenated compounds.
- Refer to the MSDS for specific handling precautions and instructions.

Availability/Storage:

- VIGON® TC 150 is available as concentrate in 1l bottles, 5l or 25l containers and 200l drums.
- This product is a non-hazardous material and according to EU standards does not require specific labelling.
- Store VIGON® TC 150 in the original container at a temperature between 5 - 30°C / 41 - 86°F.
- The cleaning agent has a minimum shelf life of 5 years in factory sealed containers.

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