



CLEANING

# TOPKLEAN™ MC 105

DEWATERING FLUID  
SOLVENT DRYING PROCESS  
FAST SEPARATION

## BENEFITS

TOPKLEAN MC 105 is carefully designed to remove water fast and from difficult to reach spaces from cleaned parts after aqueous rinsing & before drying by solvent. In a solvent drying process, the water is displaced by TOPKLEAN MC 105 and rises quickly to the top of the tank where it is skimmed away. It can also be used as a simple dewatering before draining without the use of a drying solvent to eliminate risk of corrosion in between metal processing steps. It is compatible with all metals and most plastics used in the industry.

Solvent drying is an alternative to drying with hot air and uses far less energy. It guarantees no residual water left on the parts.

TOPKLEAN MC 105 is qualified and used by several actors in the Micromechanics, Aerospace & Automotive industries.

PERFORMANCE	<ul style="list-style-type: none"> <li>Fast &amp; 100% displacement of water by solvent</li> <li>Excellent compatibility with all metals, glasses, ceramic &amp; many plastics</li> <li>Allows excellent displacement of water even in very complex parts</li> </ul>
COST	<ul style="list-style-type: none"> <li>Reduces water consumption when used in hybrid process</li> <li>Reduces Energy cost when used in inter-operation before storage : no need drying system</li> </ul>
HSE	<ul style="list-style-type: none"> <li>No Ozon Depletion Potential (ODP) &amp; no Global Warming Potential (GDP)</li> <li>High flash point (non-flammable for transport)</li> <li>No aromatics &amp; halogenated compounds</li> </ul>

## SPECIFICATIONS

SPECIFICATIONS	VALUES	METHODS
Aspect	Transparent, colorless	Visual
Density at 15°C	0,750 - 0,775	DIN 51757

## CHARACTERISTICS

CHARACTERISTICS	VALUES	METHODS
Flash Point (PMCC)	60°C / 140 °F	ASTM D93
Viscosity at 25°C	2.5 mm <sup>2</sup> /s	ASTM D445
Surface tension at 20°C (dynes/cm)	23	ASTM D971
Refractive index	1.42	ASTM D1218
VOC	762 g/L	

## PROCESS RECOMMENDATION

The best process will depend on factors such as operating conditions, equipment, desired cleaning time and the nature of contaminants. Our team is ready to advise you.

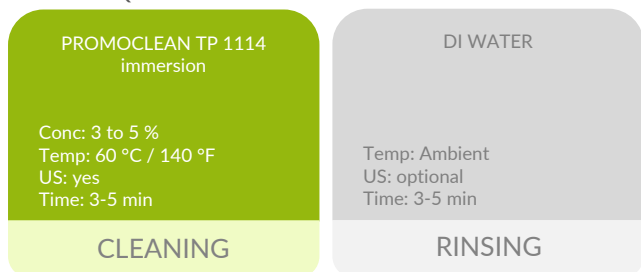
### PROCESS EXAMPLE

Simple dewatering & temporary corrosion protection between operations



Dewatering application for polishing paste removal in hybrid process

### STEP 1: AQUEOUS CLEANING



### STEP 2: DEWATERING & SOLVENT DRYING



## PACKAGING, STORAGE & SHELF LIFE

- Keep products in closed original packaging and store at room temperature.
- Shelf life is minimum 18 months from production date when kept in recommended conditions.



200 L DRUM



21 L CANISTER

## HEALTH, SAFETY & ENVIRONMENT

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No issue when used as recommended.

Contains no Reach Substances (on Candidate list, Annex XIV & XVII) / Contains no persistent organic pollutant (EC 850/2004) / Contains no Import/Export Hazardous substances (EU 649/ 2012)

Please refer always to the Safety Data Sheet (SDS or MSDS) prior to use. Our SDS can be downloaded at [www.quickfds.com](http://www.quickfds.com). We will request to provide your email address, so we can automatically send you a new version of the SDS when a future update would occur.

## TECHNICAL SUPPORT & FREE-OF-CHARGE TESTING

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Inventec has a worldwide dedicated Technical Support team to help you along the different stages of our cooperation.

Depending on your request, we provide online or onsite support

- to select the right product based on your specific needs
- to assist you in your product qualification process
- to guide you with the initial set up of your process at all your worldwide manufacturing facilities
- to provide fast response on technical issues which could occur at any time during mass production.

Customers are also welcome in our CLEANING CENTERS to see the process in action and to get convinced by our solutions. We cover water- and solvent based processes.

Inventec is unique in the world by developing not only cleaning materials but also soldering and coating solutions. These materials are very closely linked with each other from a process point of view. Talking to our Technical Team, who understands very well these 3 different product groups, will help you greatly to overcome technical challenges within your overall process.

Contact our technical support via [contact@inventec.dehon.com](mailto:contact@inventec.dehon.com) or your local sales representative.

## ABOUT INVENTEC

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Inventec is a global provider of CLEANING, SOLDERING & COATING materials for Electronic, Semiconductor and Industrial applications. For over 60 years we have shown leadership in innovation by putting HEALTH IMPACT, SUSTAINABILITY and RELIABILITY at the core of our product development.

With ISO 9001 & 14001 production sites in France, Switzerland, USA, Mexico, Malaysia and China we can guarantee a smooth and cost-effective supply chain.

We supply to many industries but the excellent performance of our products in applications which demand high reliability, leads us to focus especially on the AUTOMOTIVE, AEROSPACE, SEMICONDUCTOR, ENERGY and MEDICAL industry.

[www.inventec.dehon.com](http://www.inventec.dehon.com)



S O L D E R I N G • C L E A N I N G • C O A T I N G

In accordance with the Annex II of Directive 2011/65/UE (RoHS), including its amendments, we certify that this product does not contain quantities above 0.1% of Hg, Pb, Cr VI, PBB, PBDE, DEHP, BBP, DBP, DIBP and above 0.01% of Cd

This data is based on information that the manufacturer believes to be reliable and offered in good faith. In no event will INVENTEC PERFORMANCE CHEMICALS be responsible for special, incidental and consequential damages. The user is responsible to the Administrative Authorities (regulations for the protection of the Environment) for the conformity of his installation.

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