



CLEANING

# TOPKLEAN™ EL 7

STENCIL CLEANING  
AUTOMATED PROCESS IN SMT PRINTERS  
HIGH FLASH POINT

## BENEFITS

TOPKLEAN EL 7 is especially designed to remove all types of solder paste from stencils when using an automatic cleaning routine included in most SMT printers. Its high evaporation rate allows for a fast cleaning without compromising the next printing sequence.

TOPKLEAN EL 7 has excellent compatibility with stencil materials and is tested and qualified for use inside MPM printers.

The relative high flash point makes it a safe substitution for IPA or other cleaning fluids with a low flash point.

It's a ready to use product.

PERFORMANCE	<ul style="list-style-type: none"> <li>Cleans well all kind of solder pastes</li> <li>Very low surface tension, allowing deep penetration in stencil cavities</li> <li>Excellent compatibility with stencil materials</li> </ul>
COST	<ul style="list-style-type: none"> <li>Fast drying, allowing increase in production throughput</li> <li>Ready to use product</li> </ul>
HSE	<ul style="list-style-type: none"> <li>Non-toxic &amp; no CMR substances</li> <li>Relative high flash point - safe to use, storage &amp; transport</li> <li>No chlorine &amp; halogenated compounds</li> </ul>

## SPECIFICATIONS

SPECIFICATIONS	VALUES	METHOD
Aspect	Transparent, colorless	Visual
Density (g/ml @20°C)	0.77 ± 0.01	BRY MO 028

## CHARACTERISTICS

CHARACTERISTICS	METHOD
Viscosity (mm <sup>2</sup> /s)	1,9
Flash Point	60°C/140°F
Surface tension (mN/m @20°C)	23,5
Water solubility	Not soluble
Relative evaporation speed (nBuAC)	0,09
Dielectric rigidity (KV/cm)	200
Distillation interval(°C/°F)	187-212°C/368-413°F

## 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.

### AVAILABLE PACKAGING



20L CANISTER



200L DRUM

Please verify the packaging details, including volume and availability, with your sales representative, as they may vary depending on the production facility where the product is manufactured.

SOLDERING  
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## HEALTH, SAFETY & ENVIRONMENT

TOPLEAN EL 7 is **NOT** a **GREENWAY** product. Although fully in line with safety & environmental regulations, this product doesn't match our strict criteria to be labelled as a Greenway product. More info on our Greenway concept via [this link](#).



### LOOKING FOR A MORE SUSTAINABLE SOLUTION?

#### GREENWAY ALTERNATIVE

- We currently don't have a Greenway alternative but our target is to develop one in the near future. In case you want us to prioritize the development of a Greenway alternative, do not hesitate to contact us.

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

Inventec has a worldwide dedicated Technical Support team to help you along the various 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.

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

## ABOUT INVENTEC

Inventec is a global provider of SOLDERING, CLEANING, COATING, COOLING 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.

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SOLDERING  
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In accordance with the Annex II of Directive 2011/65/UE (RoHS), including its amendments, we certify that this product does not contains 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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