



CLEANING

# PROMOCLEAN™ DISPER 610

REMOVAL OF BAKED-ON FLUX RESIDUES  
AQUEOUS SPRAY-IN-AIR & IMMERSION JET PROCESS  
VERY LOW HSE IMPACT

## BENEFITS

PROMOCLEAN DISPER 610 is especially designed for removal of all types of baked-on flux residues and recondensed gas emissions for maintenance purpose on electronic manufacturing equipment like wave frames, solder pallets, reflow oven condensation traps, etc. .

Thanks to its excellent antifoam properties it is dedicated for water-based spray-in-air and immersion jet processes. Due to the controlled alkalinity, this product is compatible with aluminium & other sensitive materials.

It is a concentrated product which is used diluted with DI water and has excellent cleaning power from 20 % to 30 % dilution.

PERFORMANCE	<ul style="list-style-type: none"> <li>▪ Excellent solubilization of reflowed organic compounds</li> <li>▪ Optional rinsing step</li> <li>▪ Very low foaming</li> <li>▪ Protects aluminum &amp; sensitive materials during the cleaning cycle</li> </ul>
COST	<ul style="list-style-type: none"> <li>▪ Excellent Long bath-life</li> <li>▪ Concentrated product, reduce transport &amp; storage cost</li> </ul>
HSE	<ul style="list-style-type: none"> <li>▪ Non-toxic &amp; no CMR substances</li> <li>▪ Low environmental impact: GREENWAY product</li> <li>▪ Non-flammable</li> </ul>

## SPECIFICATIONS

SPECIFICATIONS	VALUES	METHODS
Aspect	Colorless to slightly yellow liquid	Visual
Density at 20°C (g/ml)	1.00 ± 0.01	BRY-MO-028
pH of pure product	10.8 ± 0.5	BRY-MO-011

## CHARACTERISTICS

CHARACTERISTICS	VALUES
Flash point	none
Solubility in water	totally soluble
Surface tension (dynes / cm)	29,5
Wettability with NF T73420 (seconds)	32

## 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

Spray in air process with rinsing step

<p><b>PROMOCLEAN DISPER 610</b></p> <p>Conc: 20 % in DI WATER Temp: 40-60°C / 104-140°F Pressure: 3 bars Time: 10 min</p> <p style="text-align: center; background-color: #d9ead3; padding: 5px;"><b>CLEANING</b></p>	<p style="text-align: center;">DI WATER</p> <p>Temp: 20-30 °C / 68-86 °F Time: 10 min</p> <p style="text-align: center; background-color: #d9ead3; padding: 5px;"><b>RINSING</b></p>	<p style="text-align: center;">HOT AIR</p> <p>Temp: 70-80°C / 158-176°F Time: 20 min</p> <p style="text-align: center; background-color: #d9ead3; padding: 5px;"><b>DRYING</b></p>
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- A dedicated PCA Kit to monitor the bath status and compatibility report with different materials are available on request.
- It's key to determine the maximum time materials can be exposed to the cleaning chemical. Although our cleaning products will not damage materials they are designed for under normal conditions, prolonged exposure may.

## 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



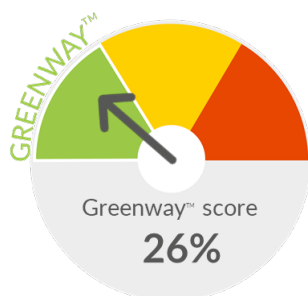
20 Kg CANISTER



200 Kg DRUM

## HEALTH, SAFETY & ENVIRONMENT

PROMOCLEAN DISPER 610 is a **GREENWAY** product.  
More info on our Greenway concept via this [link](#)



### MAIN CONTRIBUTORS WHICH REDUCE IMPACT:

#### HUMAN HEALTH & SAFETY

- Non-flammable & no flashpoint -> eliminating the need for explosion proof equipment or special storage & transport
- Non-toxic

#### ENVIRONMENT PROTECTION & RESOURCES SAVINGS

- Low environmental impact: no H labelling regarding environment
- No GWP
- Very low VOC (<25% of VOC compound)
- Contains partial vegetable raw materials

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)

It is biodegradable according to regulation 648/2004 but must be neutralized and filtered before disposal in sewer system in accordance with local regulations. Neutralization and titration methods are available upon request.

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 SOLDERING, CLEANING & 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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