



CLEANING

# PROMOCLEAN™ DISPER 22 ALU

REMOVAL OF GREASE, HEAVY OIL, BURN-IN RESIDUES & OXIDES  
AQUEOUS SPRAY PROCESSES  
COMPATIBLE WITH MOST FERROUS & NON-FERROUS ALLOYS

## BENEFITS

PROMOCLEAN DISPER 22 ALU is especially designed for removal of greases, heavy (high viscosity) oils, burn-in organic & mineral residues and oxides. Thanks to its excellent antifoam properties it is dedicated for aqueous spray-in-air, immersed jets and tube flushing processes.

It's an upscaled version of PROMOCLEAN DISPER 22, where a pH attack retarder is added in the formulation. Because of this PROMOCLEAN DISPER 22 ALU is not only compatible with ferrous alloys but can also be used on aluminium, titanium and other light alloys. However it is recommended to test prior to use.

It's a concentrated product which is used diluted with DI water.

PROMOCLEAN DISPER 22 ALU can also be considered to clean wave frame carriers in electronic maintenance to remove burn-in flux residues.

PERFORMANCE	<ul style="list-style-type: none"> <li>Cleans efficient heavy organic &amp; mineral pollutions</li> <li>High pH permit to remove broad spectrum of mineral &amp; organic pollutants in large quantities</li> <li>Can be used on light alloys after prior test</li> </ul>
COST	<ul style="list-style-type: none"> <li>High cleaning power even at low concentration</li> <li>Long bath-life</li> <li>Versatile application: can be used in production &amp; maintenance</li> </ul>
HSE	<ul style="list-style-type: none"> <li>Non-toxic &amp; no CMR substances</li> <li>Non-flammable &amp; will not cause an exothermic reaction in the cleaning tank</li> </ul>

## SPECIFICATIONS

SPECIFICATIONS	VALUES	METHODS
Aspect	Colorless to yellow	Visual
Density at 20°C (g/ml)	1,50 +/- 0,01	BRY-MO-028
pH at 1%	12,8 +/- 0,5	BRY-MO-011

## CHARACTERISTICS

CHARACTERISTICS	VALUES
Solubility in water	totally soluble

## 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

#### Heavy oil & grease removal

<p><b>PROMOCLEAN DISPER 22 ALU</b></p> <p>Conc: 1-5% in DI water Temp: 40-70°C / 104-158°F US: no Time: 5-10 min</p> <p><b>CLEANING</b></p>	<p>DI or TAP WATER</p> <p>Temp: 20-30°C / 68-86°F US: no Time: 2-5 min</p> <p><b>RINSING</b></p>	<p>HOT AIR or VACUUM or DRYING SOLVENT</p> <p>Time: 5-20 min</p> <p><b>DRYING</b></p>
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#### Removal of burn-in flux residues

<p><b>PROMOCLEAN DISPER 22 ALU</b></p> <p>Conc: 5-10 % in DI water Temp: 40-70°C / 104-158°F US: no Time: 5-10 min</p> <p><b>CLEANING</b></p>	<p>DI or TAP WATER</p> <p>Temp: 20-30°C / 68-86°F US: no Time: 2-5 min</p> <p><b>RINSING</b></p>	<p>HOT AIR or VACUUM or DRYING SOLVENT</p> <p>Time: 5-20 min</p> <p><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



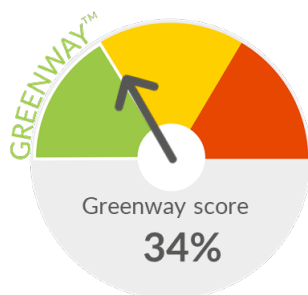
20 Kg CANISTER



210 Kg DRUM

## HEALTH, SAFETY & ENVIRONMENT

PROMOCLEAN DISPER 22 ALU 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

- Promoclean Disper 2

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

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 you 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

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 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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