



CLEANING

# PROMOSOLV™ NEO A1

LIGHT OIL & PARTICLES REMOVAL / RINSING & DRYING  
VAPOR PHASE, CO-SOLVENT, FUSHING & DRYING PROCESS  
NO GWP & PFAS FREE

## BENEFITS

PROMOSOLV NEO A1 is especially designed to replace rinsing solvents with a high HSE impact and to offer a product in accordance with the latest and future environmental regulations. The very low surface tension allows to penetrate very tight or difficult to access spaces, making sure any cleaning chemistry is fully removed.

The newly developed PROMOSOLV NEO range represents our products with an Ultra-low to No GWP & low atmospheric lifetime, in order to reduce global warming impact. The solvency power has also been improved, which contributes to an even better & faster cleaning performance.

It can be used in combination with our TOPKLEAN™ range in co-solvent cleaning process to offer an environmentally friendly solvent solution for degreasing without compromising on high cleaning performance. PROMOSOLV NEO A1 can also solubilize fluorinated, silicon and light oils in a mono-solvent cleaning process.

PROMOSOLV NEO A1 is compatible with all metals and alloys, including very sensitive ones. It has also good compatibility with most plastics & elastomers, however it is necessary to test before use.

PROMOSOLV NEO A1 is formulated with safety in mind, which resulted in a product that has no mentioning of any EUH-phrases, is non-flammable, has no flash point and is PFAS free.

This product also exists in a recycled version (made from recycled solvent) under the name PROMOSOLV NEO A1 T

<b>PERFORMANCE</b>	<ul style="list-style-type: none"> <li>▪ Thermally and chemically stable in use</li> <li>▪ The very low surface tension allows deep cleaning &amp; rinsing of parts with complex geometry</li> <li>▪ Increased solvency power</li> <li>▪ Short cleaning, rinsing and drying times</li> </ul>
<b>COST</b>	<ul style="list-style-type: none"> <li>▪ Continuous recycling in equipment for a long bath-life</li> <li>▪ Can be returned for recycling and re-use</li> <li>▪ The relative high boiling point reduces risk of solvent drag, so limiting consumption</li> </ul>
<b>HSE</b>	<ul style="list-style-type: none"> <li>▪ PFAS free</li> <li>▪ No Global Warming Potential (GWP) &amp; no Ozon depletion potential (ODP)</li> <li>▪ Non-flammable &amp; no flashpoint</li> <li>▪ Low environmental impact: GREENWAY product</li> </ul>

## SPECIFICATIONS

SPECIFICATIONS	VALUES	METHODS
Aspect	Transparent, colorless	Visual
Purity (% weight)	>99.5	Internal / BRY-MO-121

SOLDERING  
CLEANING  
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COOLING

# CHARACTERISTICS

CHARACTERISTICS	VALUES
Density (g/ml)	1.39
Boiling point (°C/°F)	54/129
Freezing point (°C/°F)	-82/-115
Flash point	No
Surface tension (dynes/cm)	17
KB value	44
Vapor pressure (kPa @25°C/77°F)	32.7
Latent heat of vaporization (kJ/Kg @bp)	213
Specific heat (kJ/Kg.K @25°C/77°F)	1.09
Solubility of water (ppm)	1500
Relative evaporation rate (ether=100)	64
Electrical resistivity (Ohm.m)	8.7x10 <sup>6</sup>
Electrical conductivity (μS/m @23°C/73°F)	1.1x10 <sup>-1</sup>
Thermal conductivity (W/K @25°C/77°F)	0.135
Kinematic viscosity (μm <sup>2</sup> /s @25°C/77°F)	0.41
Viscosity (mPa.s @25°C/77°F)	0.57

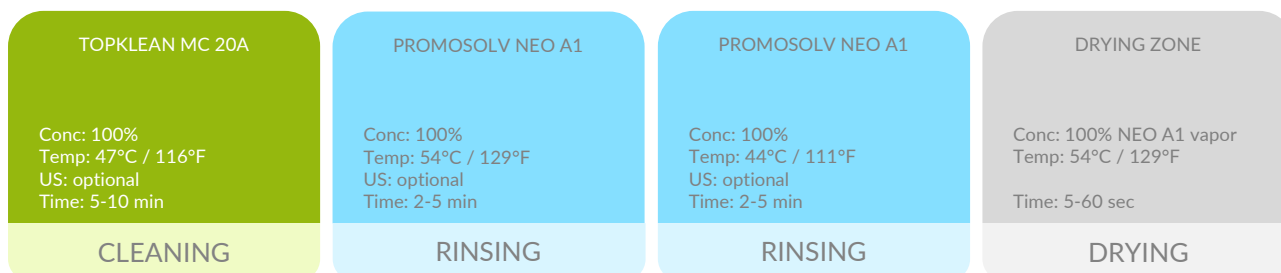
## PROCESS RECOMMENDATION

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.

- Do not remove parts too quick out of the drying zone to prevent unwanted loss of solvent.
- Compatibility report with different materials is available on request.

### PROCESS EXAMPLE

#### Separated Co-Solvent



#### Mono-solvent: removal of Fluorinated lubricant



## PACKAGING, STORAGE & SHELF LIFE

- Keep products in closed original packaging and store at room temperature.
- Shelf life is minimum 5 years from production date when kept in recommended conditions.

### AVAILABLE PACKAGING



230 Kg DRUM



30 Kg 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.

## HEALTH, SAFETY & ENVIRONMENT

PROMOSOLV NEO A1 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 & no EUH risk phrases: 100% safe for storage and when used in equipment
- Non-toxic & Low corrosive impact

#### ENVIRONMENT PROTECTION & RESOURCES SAVINGS

- No GWP
- Can be returned for recycling and re-use: ECOPROGRAM
- Reduce consumption of product, consumables, water & energy

PROPERTIES	PROMOSOLV NEO A1	HCFC-141B	HFE 347	PROMOSOLV DR3
Ozone Depleting Potential (ODP)	0.000	0,100	0,000	0,000
Global Warming Potential (GWP)	<1	630	580	320
VOC	yes	yes	yes	yes
Flashpoint	no	no	no	no

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).

Used polluted product can be returned to us for recycling if regulations permit. Please contact your local sales contact for more details on our **ECOPROGRAM**.

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.

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, 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.

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



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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