



CLEANING

# PROMOSOLV™ DR4

LIGHT-DUTY CLEANING & RINSING  
SOLVENT PROCESSES  
VERY LOW GWP: 58

## BENEFITS

PROMOSOLV DR4 is a non-flammable solvent-based cleaning fluid. It can be used as a rinsing medium in combination with our TOPKLEAN™ range in a co-solvent cleaning process to offer a safe solvent solution without compromising on high cleaning performance. PROMOSOLV DR4 can also be used to remove fluorinated & silicon oils or light contaminations like fingerprints, soil & particles in a vapor phase or flushing process.

It is specially developed to offer an equivalent to the phased out Novec™ 7200 as it has the same proportion of components and properties.

The very low surface tension allows to penetrate very tight or difficult to access spaces, making sure any cleaning chemistry is fully removed.

PROMOSOLV DR4 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.

<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>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, limiting consumption</li> </ul>
<b>HSE</b>	<ul style="list-style-type: none"> <li>Very low Global Warming Potential (GWP)</li> <li>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	Colorless, clear	Visual
Purity (%)	>99,0	BRY-MO-121

## CHARACTERISTICS

CHARACTERISTICS	VALUES
Boiling point	76°C/169°F
Freezing point	-138°C/-216°F
Flash point	No
Density (g/cm <sup>3</sup> @25°C)	1.43
Surface tension (dynes/cm @20°C)	13.6
Vapor pressure (mm Hg @25°C)	109
Dynamic viscosity (mPa.s @20°C)	0.61
Latent heat of vaporization (cal/g@bp)	30
Specific heat (kJ/Kg*K @25°C)	1,21

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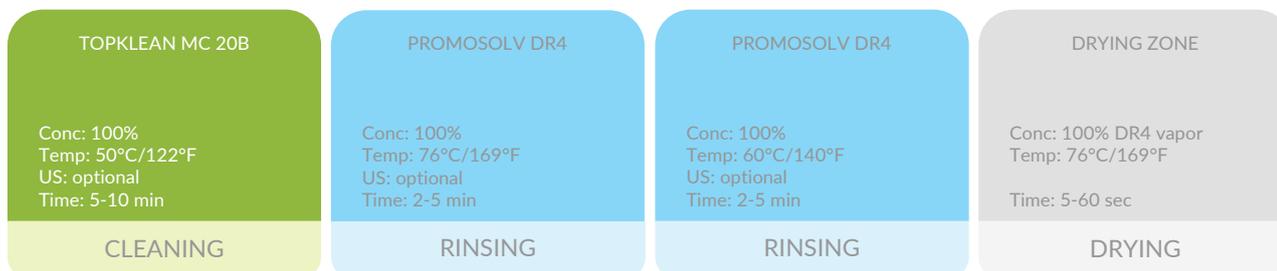
## PROCESS RECOMMENDATION

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



Vapor phase: 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



250KG DRUM

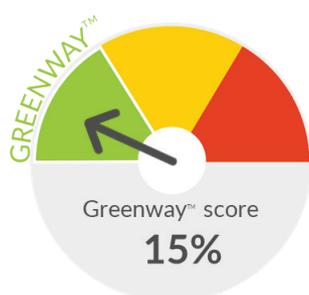


35KG PAIL

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 DR4 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: 100% safe for storage and when used in equipment
- Non-toxic, no corrosive impact & no S risk phrases

#### ENVIRONMENT PROTECTION & RESOURCES SAVINGS

- Low environmental impact: no H labelling regarding environment
- Can be returned for recycling and re-use: ECOPROGRAM
- Reduce consumption of product, consumables, water & energy

PROPERTIES	PROMOSOLV DR4
Ozone Depleting Potential (ODP)	0,00
Global Warming Potential (GWP)	58
Atmospheric lifetime (years)	0.77
VOC	yes
Flashpoint	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).

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

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.

For the electronics manufacturing industry, Inventec offers a unique advantage by formulating and supplying soldering, cleaning, and coating solutions. These materials are closely interconnected from a process standpoint. Our Technical Team's expertise across all three areas helps you more effectively overcome technical challenges across your entire production process.

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

## ABOUT INVENTEC

Inventec Performance Chemicals is a global B2B provider of Electronic Assembly Materials, Precision Cleaning Fluids, Protective Coatings and Thermal Management Fluids for electronic, semiconductor and precision manufacturing applications. For over 70 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 across the globe. 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)



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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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