



CLEANING

# PROMOSOLV™ DR3

LIGHT-DUTY CLEANING & RINSING  
SOLVENT PROCESSES  
LOW GWP

## BENEFITS

PROMOSOLV DR3 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. Additionally, it is ideal for spotless fast drying or for removing light oils and particulates.

It is specially designed to replace solvents with a high HSE impact and to offer a product in accordance with the latest 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.

PROMOSOLV DR3 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 DR3 T is the recycled version (made from recycled solvent) of PROMOSOLV DR3. This product is the result from our ECOPROGRAM service and offers the same performance as the original product.

PERFORMANCE	<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>
COST	<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>
HSE	<ul style="list-style-type: none"> <li>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	METHODS	PROMOSOLV DR3	PROMOSOLV DR3 T
Aspect	Visual	Transparent, colorless	Transparent, colorless
Purity (% weight)	Internal / BRY-MO-121	>99.5	>99.0

## CHARACTERISTICS

CHARACTERISTICS	VALUES
Boiling point	61°C/142°F
Freezing point	-135°C/-211°F
Flash point	No
Density (g/cm <sup>3</sup> )	1.52
Surface tension (dynes/cm)	13.6
Vapor pressure (mm Hg)	202
Dynamic viscosity (mPa.s)	0.75
Latent heat of vaporization (kJ/Kg@bp)	112
Specific heat (kJ/Kg.K)	1.17

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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.

The table below serves as a guideline for the types of contaminants the product can address and the applicable cleaning processes.

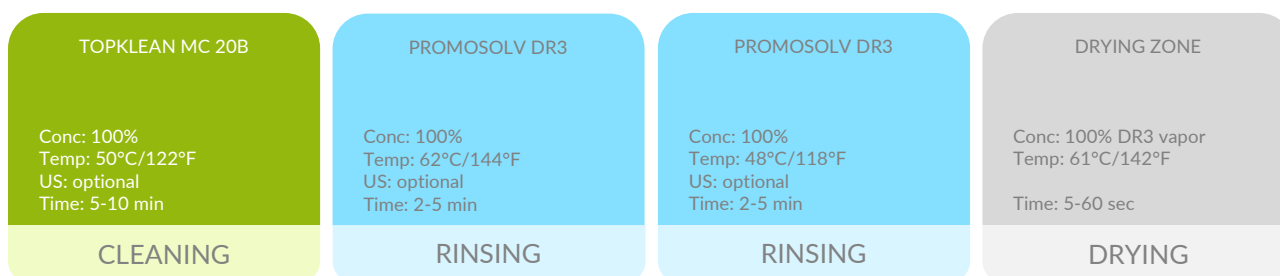
CONTAMINANT/APPLICATION	PROCESS
Heavy HC oil & grease, wax, flux residues	Separated (Bi-solvent) and Mixed Co-solvent in combination with our TOPKLEAN™ products.
Light HC oils, fluorolubes, fluoropolymers, particulates	Vapor phase (Mono-solvent), flushing, manual
Spotless fast drying	After de-watering process

### REMARKS

- 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 process:



Vapor phase process:



## 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



30KG 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 DR3 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
- Non-toxic & Low corrosive impact

#### ENVIRONMENT PROTECTION & RESOURCES SAVINGS

- No H-risk phrases
- Can be returned for recycling and re-use: check our ECOPROGRAM
- Reduce consumption of product, consumables, water & energy

PROPERTIES	PROMOSOLV DR3
Ozone Depleting Potential (ODP)	0,10
Global Warming Potential (GWP)	460
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).

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.

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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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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