



CLEANING

PROMOSOLV™ DE1

REMOVAL OF A WIDE RANGE OF CONTAMINANTS
VAPOR PHASE PROCESS
ALTERNATIVE TO NOVEC™ 71DE

BENEFITS

PROMOSOLV DE1 is developed as a drop-in replacement for trichlorethylene, NPB and other solvents with a high Health, Safety & Environmental impact. While reducing substantially the HSE impact, the degreasing power is at an equivalent level. The very low surface tension allows to penetrate very tight or difficult to access spaces, providing a deep cleaning and rinsing.

It is dedicated to remove most kind of oils and greases, with the exception of water-based lubricants. Furthermore it is suitable for removing particles. Depending on the nature of polymerized materials, some varnishes, adhesives, inks & paints could also be removed. Besides, it is an equivalent to the **phased out Novec 71DE** as it has the same proportion of components and same properties.

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 DE1 is formulated with safety in mind. Its composition has excellent flammability suppression properties and is an azeotropic formulation, which provides a very high stability when used in an equipment. Some products in the market may lose their flammability suppression compound due to evaporation when used in an equipment.

PERFORMANCE	<ul style="list-style-type: none"> Thermally and chemically stable in use The very low surface tension allows deep cleaning & rinsing of parts with complex geometry Short cleaning, rinsing and drying times
COST	<ul style="list-style-type: none"> Continuous recycling in equipment for a long bath-life Can be returned for recycling and re-use The relative high boiling point reduces risk of solvent drag, so limiting consumption
HSE	<ul style="list-style-type: none"> Low toxicity Low global Warming Potential (GWP) & no Ozone depletion potential (ODP) Non-flammable & azeotropic formulation

SPECIFICATIONS

SPECIFICATIONS	VALUES	METHODS
Aspect	Transparent, colorless	Visual
Methoxy-nonafluorobutane ether	50,0% ± 1,0	Internal / BRY-MO-121
1,2- Transdichloroethylene	50,0% ± 1,0	Internal / BRY-MO-121

CHARACTERISTICS

CHARACTERISTICS	VALUES
Boiling point (°C/°F)	41/106
Surface tension (dynes / cm)	16,6
Flash point	None
Density (g/cm³)	1,37
Purity (% weight)	>99,5
Dynamic viscosity (mPa.s @25°C)	0,43
Vapor pressure (kPa @ 25°C)	51

SOLDERING
CLEANING
COATING
COOLING

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

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.
- PROMOSOLV DE1 is an azeotropic formulation which guarantees a safe use & storage.

AVAILABLE PACKAGING



230 Kg DRUM

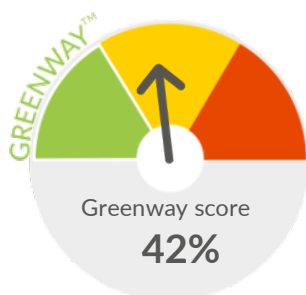


30 Kg DRUM

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 DE1 is a **NOT GREENWAY** product. More info on our Greenway concept via this [link](#).



LOOKING FOR A MORE SUSTAINABLE SOLUTION?

GREENWAY ALTERNATIVE

- PROMOSOLV NEO B1

PROPERTIES	PROMOSOLV DE1	PROMOSOLV DE2	PROMOSOLV DE3	PROMOSOLV 70	PROMOSOLV NEO B1
Ozone Depleting Potential (ODP)	0.00	0,00	0,00	0.00	0,00
Global Warming Potential (GWP)	160	43	170	96	<1
VOC	yes	yes	yes	yes	yes
Flashpoint	no	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. 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 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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