



CLEANING

PROMOSOLV™ 9000

MOTION FILM CLEANING
USED IN DEDICATED EQUIPMENT
VERY LOW GWP

BENEFITS

PROMOSOLV 9000 is a colorless, low odor fluid dedicated for motion film cleaning applications. It has been developed in cooperation with Media Migration Technology (previously Lipsner Smith Company) and validated to be used in their equipment.

It is a drop-in replacement for trichlorethylene, NPB and other solvents with a high Health, Safety & Environmental impact. While reducing substantially the HSE impact, the cleaning power is at an equivalent level. Besides, it's a like for like substitute for the phased out Novec™ 8200 and 7200 as it has the same proportion of components and same properties.

PROMOSOLV 9000 is formulated with safety in mind, which resulted in a product that is non-flammable and has no flash point.

PERFORMANCE	<ul style="list-style-type: none"> Thermally and chemically stable in use Excellent compatibility with film substrates and equipment 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"> Very low toxicity Very low Global Warming Potential (GWP) No Ozon depletion potential (ODP) Non-flammable No flashpoint Low environmental impact: GREENWAY product

SPECIFICATIONS

SPECIFICATIONS	VALUES	METHODS
Aspect	Colorless, clear	Visual
Purity (%)	>99,0	BRY-MO-121

CHARACTERISTICS

CHARACTERISTICS	VALUES
Boiling point (°C/°F)	76°C/169°F
Freezing point (°C/°F)	-138°C/-216°F
Flash point	No
Density (g/cm ³ @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

PROCESS RECOMMENDATION

The product is dedicated to be used in Ultrasonic motion film cleaning equipment of Media Migration Technology (previously Lipsner Smith Company). Ultrasonic cleaning machine operators can “drop-in” this new solvent with few, or even no, machine modifications. Please contact MMT for confirmation when in doubt (service@mmtfilm.com)

PROCESS EXAMPLE

Vapor phase: Motion film cleaning



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.
- The packaging is designed for easy connection to specialized motion picture cleaning equipment.

AVAILABLE PACKAGING

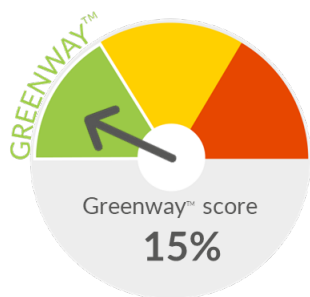


35 Kg DRUM

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 9000 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 9000	1,1,1-TCA	PERC
Ozone Depleting Potential (ODP)	0,00	0,1	0,006
Global Warming Potential (GWP)	55	140	n.a.
Atmospheric lifetime (years)	0,77	4,8	n.a.
VOC	yes	yes	yes
Flashpoint	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.

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.

www.inventec.dehon.com



SOLDERING
CLEANING
COATING
COOLING

In accordance with the Annex II of Directive 2011/65/UE (RoHS), including its amendments, we certify that this product does not contain 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.

Inventec Performance Chemicals – 26 rue de Coulons. 94360 Bry-sur-Marne, France
Limited company with capital of 600 000€ - 964 500 706 RCS Créteil