



INFO SHEET

Solutions to make a smooth transition
from phased-out 3M™ products

3M has recently announced to discontinue all Novec™ PFAS-based products by the end of 2025.

Should this worry users of those products for
cleaning, coating and cooling applications?

No need to worry...
but act with a sense of urgency

Inventec has been for over 25 years a reliable authorized distributor of 3M™ in supplying their cleaning solvents together with our own formulations to a worldwide customer base. We understand very well the technicalities of these fluids and the processes in which they are used. This makes Inventec well placed to find the right alternative for you.

In this document we outline your options for a transition from 3M™ products for cleaning, coating and cooling applications. At the end of the document we provide you also the list of affected products.

PUT YOUR TRUST IN INVENTEC

Over 60 years experience in solvent and aqueous cleaning solutions

Global presence with Production, Sales and Technical specialist

Close follow up on regulations and anticipating ahead

SOLDERING • CLEANING • COATING • COOLING

www.inventec.dehon.com

Cleaning



PROMOSOLV™

SOLVENT CLEANING & DRYING RANGE

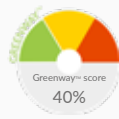
Solvent based cleaning fluids for vapor phase cleaning process or used as rinsing agent in co-solvent systems. Also products for spotless solvent drying process.

DROP-IN PROMOSOLV™ SOLUTIONS

Our PROMOSOLV range covers most mono-solvent (vapor phase cleaning) & co-solvent cleaning applications and don't rely on 3M™ chemistries. These act as a **DROP-IN REPLACEMENT** and **MINIMIZE QUALIFICATION EFFORTS**. In fact, due to supply issues with certain 3M™ products in the past 2 years, many customers have already successfully transferred to PROMOSOLV products without any issues.

PROMOSOLV™ 70

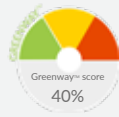
Degreasing, wax & polymer removal



- High cleaning power for a wide range of contaminants
- Vapor phase process
- High cleaning power & no flash point

PROMOSOLV™ 70ES

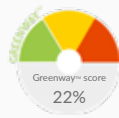
Flux residue removal



- High cleaning power for various flux formulations
- Vapor phase process
- No flash point

PROMOSOLV™ DR1

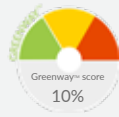
Rinsing & drying for electronic applications



- Very low surface tension: efficient rinsing under low stand-off components
- Co-solvent process
- Non-flammable and no flash point

PROMOSOLV™ DR3

Particle removal, rinsing & drying



- Very low surface tension: efficient rinsing of parts with complex geometries
- Co-solvent & spotless fast drying process
- Non-flammable and no flash point

Non-exhaustive list of products. Let INVENTEC assists you to customize the best product adapted to your need.

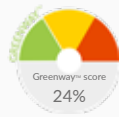
PROMOSOLV NEO: THE FUTURE IN SOLVENT CLEANING

In 2022 we launched our **PROMOSOLV NEO** range to offer sustainable solvent solutions for a greener future. This range represents solvents with **NO** to **ULTRA-LOW GWP** and are **PFAS FREE**. This range is still in full expansion but ready to order solutions for mono-solvent (vapor phase cleaning) and co-solvent degreasing applications are available. More products will be released in 2023, especially for electronic cleaning applications.

PROMOSOLV™ NEO A1

Light degreasing, rinsing & drying

GREENWAY **NEW**

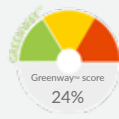


- Very low surface tension: efficient for parts with complex geometries
- Co-solvent, vapor phase & spotless drying process
- Non-flammable, no flash point & no GWP

PROMOSOLV™ NEO B1

Degreasing, wax & polymer removal

GREENWAY **NEW**



- High cleaning power for a wide range of contaminants
- Vapor phase process
- Non-flammable, no flash point & no GWP

Non-exhaustive list of products. Let INVENTEC assists you to customize the best product adapted to your need.

Cleaning

AQUEOUS OR VACUUM CLEANING ALTERNATIVES



PROMOCLEAN™

DETERGENT CLEANING RANGE

Cleaning fluids for water-based immersion or spray processes.



TOPKLEAN™

HYDROCARBON CLEANING RANGE

Cleaning fluids dedicated for co-solvent system or as a single solvent in vacuum cleaning process.

In case you want to investigate other cleaning processes, INVENTEC also covers aqueous and vacuum cleaning solutions. With multiple products in our range we cater solutions for degreasing, dewaxing, soil & particle removal and defluxing.

CLICK ON THE LINK TO FIND OUT MORE: www.inventec.dehon.com

Coating



PROMOSOLV™ COAT

ULTRA-THIN COATING RANGE

Ultra-thin coating range developed to protect electronics or other substrates with an easy, fast & environmental friendly process.

INVENTEC has it`s own line of ultra-thin coatings also known as Electronic Grade Coatings. Our PROMOSOLV COAT UT10 comes in different solid contents and with or without UV tracer.

CLICK ON THE LINK TO FIND OUT MORE: www.inventec.dehon.com

Dielectric cooling fluids



THERMASOLV™

DIELECTRIC COOLING FLUIDS RANGE

Dielectric cooling fluids for electronic and electrical devices.

INVENTEC also has a range of dielectric cooling fluids under the brand name THERMASOLV™. These products are dedicated for immersion cooling, direct cooling or dielectric testing.

CLICK ON THE LINK TO FIND OUT MORE: www.inventec.dehon.com

Good to know...

- The faster you react to qualify on an alternative product, the better we are in a position to guarantee a smooth transition and supply.
- Inventec has a worldwide sales and technical support team who are ready to support you in the implementation of our products. This is even of a greater added value when you have processes set up in different facilities around the world. We are there at every step along the way.
 - 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 you process** at all your worldwide manufacturing facilities,
 - to provide **fast response on technical issues** which could occur at any time during mass production.
- The PFAS and PFOS regulation is still under development in different parts of the world and it is uncertain how it will impact currently used cleaners based on Hydrofluorethers (HFE). Also there is no timeline set if there would be a ban on certain chemistries or on certain applications. Inventec follows up closely all regulations around the world and is knows to anticipate well in advance on changes in regulation. Being 60 years in the market we have adapted successfully multiple times to changes in regulation. So this is not new to us and we know how to plan and execute these kind of transitions. Our Promosolv NEO range is proof of adapting our product portfolio ahead of regulations.
- As an authorized distributor of 3M™, INVENTEC will still receive NOVEC™ products until end 2025. Although to be noted that it is not guaranteed how many product still can be produced and supplied in the next 2 years.

How to contact us?

The best way to start your transition, is to contact us via our local representation or via the following email: contact@inventec.dehon.com . In this way we can asses your needs and recommend you the best alternative option.

INVENTEC WORLDWIDE

6
PRODUCTION SITES

10
SUBSIDIARIES

WORLDWIDE
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Appendix 1 List of Impacted Products

Product Trade Name
3M™ Electronic Surfactant 4200
3M™ Electronic Surfactant 4300
3M™ FA-188 Foam Additive
3M™ FC-5000 Ionic Liquid Antistat
3M™ Fluorad™ Battery Electrolyte HQ-115
3M™ Fluorinert™ Electronic Liquid FC-40
3M™ Fluorinert™ Electronic Liquid FC-149
3M™ Fluorinert™ Electronic Liquid FC-3243
3M™ Fluorinert™ Electronic Liquid FC-3283
3M™ Fluorinert™ Electronic Liquid FC-3284
3M™ Fluorinert™ Electronic Liquid FC-43
3M™ Fluorinert™ Electronic Liquid FC-770
3M™ Fluorinert™ FC-72 Electronic Liquid
3M™ Ionic Liquid Antistat FC-4400
3M™ Novec™ 1230 Fire Protection Fluid
3M™ Novec™ Contact Cleaner
3M™ Novec™ 1700 Electronic Grade Coating
3M™ Novec™ 1702 Electronic Grade Coating
3M™ Novec™ 1720 Electronic Grade Coating
3M™ Novec™ 1902 Electronic Grade Coating
3M™ Novec™ 1904 Electronic Grade Coating
3M™ Novec™ 1908 Electronic Grade Coating
3M™ Novec™ 2202 Electronic Grade Coating
3M™ Novec™ 2701 Electronic Grade Coating
3M™ Novec™ 2704 Electronic Grade Coating
3M™ Novec™ 2708 Electronic Grade Coating
3M™ Novec™ 4710 Insulating Gas
3M™ Novec™ 5110 Insulating Gas
3M™ Novec™ 612 Magnesium Protection Fluid

Product Trade Name
3M™ Novec™ 649 Engineered Fluid
3M™ Novec™ 7000 Engineered Fluid
3M™ Novec™ 7100 Engineered Fluid
3M™ Novec™ 7100DL Engineered Fluid
3M™ Novec™ 71DA Engineered Fluid
3M™ Novec™ 71DE Engineered Fluid
3M™ Novec™ 71IPA DL Engineered Fluid
3M™ Novec™ 71IPA Engineered Fluid
3M™ Novec™ 7200 Engineered Fluid
3M™ Novec™ 7200DL Engineered Fluid
3M™ Novec™ 72DA Engineered Fluid
3M™ Novec™ 72DE Engineered Fluid
3M™ Novec™ 7300 Engineered Fluid
3M™ Novec™ 73DE Engineered Fluid
3M™ Novec™ 7500 Engineered Fluid
3M™ Novec™ 7500C Engineered Fluid
3M™ Novec™ 7700 Engineered Fluid
3M™ Novec™ 8200 Engineered Fluid
3M™ Novec™ Contact Cleaner / Lubricant
3M™ Novec™ Contact Cleaner Plus
3M™ Novec™ Electronic Degreaser
3M™ Novec™ Engineered Fluid 71D90
3M™ Novec™ Engineered Fluid 72FL
3M™ Novec™ Flux Remover
3M™ Novec™ MW-2410 Engineered Metalworking Fluid
3M™ PF-5052 Performance Fluid
3M™ PF-5056 Performance Fluid
3M™ PF-5058 Performance Fluid
3M™ PF-5060 Performance Fluid