



Solutions for **AEROSPACE & DEFENCE**

SOLDERING • CLEANING • COATING • COOLING


INVENTEC
PERFORMANCE CHEMICALS

INSPIRING INNOVATION



SPECIFIC
PROCESS



EXCELLENT
COMPATIBILITY



OPTIMIZE
PROCESS



ENVIRONMENTALLY
FRIENDLY

INVENTEC, A DEHON GROUP COMPANY

A family company created in **1874**, first specialized in the filling and distribution of refrigerants.



Dehon group companies:



Car care solutions & services



Refrigeration, air conditioning & heating



Leak detection & energy for refrigeration



High-risk chemicals



Soldering, Cleaning, Coating & Cooling solutions



Powder, atomizer & sieving activities



Custom filling & packing

750 collaborators worldwide: 13 subsidiaries in 3 continents

INVENTEC PERFORMANCE CHEMICALS,

WORLDWIDE PROVIDER OF SOLDERING, CLEANING & COATING SOLUTIONS FOR ELECTRONIC, SEMICONDUCTOR AND INDUSTRIAL APPLICATIONS

For nearly **60 years** we have shown leadership in innovation by putting High Reliability applications and minimizing **environmental & health impact** at the core of our product development. **10% of our turnover is invested in R&D.**

With **ISO 9001 & 14001 production sites** in France, Switzerland, USA, Mexico, Malaysia and China we can guarantee a smooth and cost-effective supply chain.

With more than **1500 satisfied customers** & more than **300 products**, we are armed to find the right solution based on your requirements, process and sustainable targets.



OUR GUIDELINES

PROXIMITY

A worldwide presence to support our customers

PERFORMANCE

Specialized teams and effective technical solutions to serve our customers

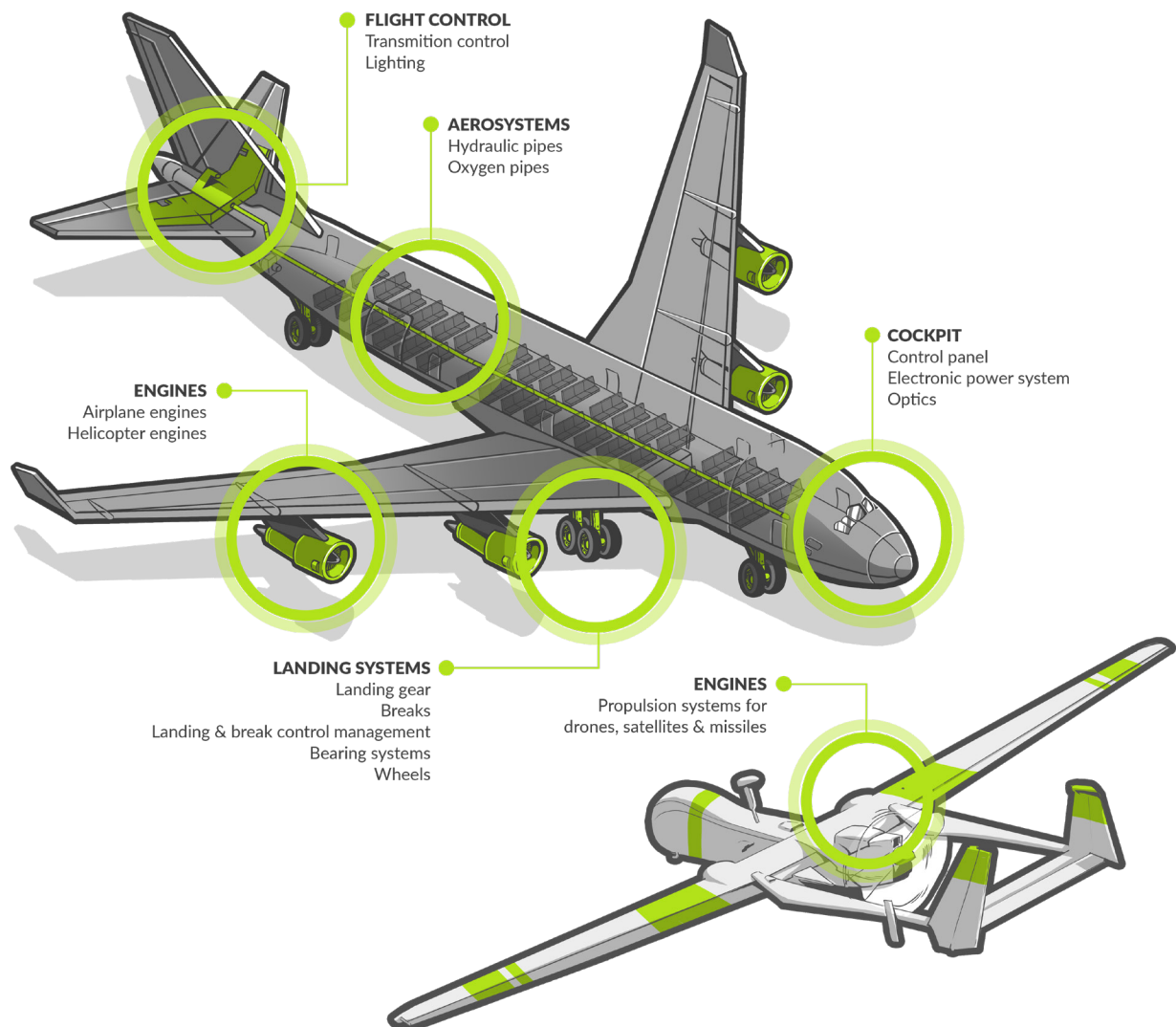
PROTECTION

Friendly solutions for health & environment

OUR EXPERTISE DEDICATED TO THE AEROSPACE & DEFENCE INDUSTRY

Because of its **strict safety & environmental requirements**, the aerospace industry is highly regulated. Down the value chain, everyone is focused to deliver reliable top products.

Inventec has been supplying the aerospace industry since its creation. With our **soldering, cleaning, coating & cooling solutions**, we contribute substantially to the high reliability requirements of the aerospace industry.



Key infos

- Inventec France is **IATF** certified: proof of good quality management system
- More than **250** aerospace & defence satisfied customers
- **+200** products for soldering, cleaning or coating applications



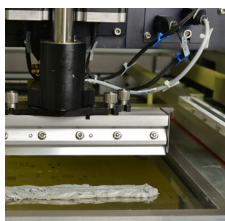
Soldering

RECOMMENDED SOLDERING PRODUCTS

Inventec offers a wide range of soldering products that go beyond the **technical requirements set by industry standards and environmental legislation**. Inventec's expertise is focused on providing **high performance assembly solutions**.

Our soldering product formulations have been **free of halogen for over 15 years** and some products show very low solder voids on large area components. With our specific test method: the Bono Corrosion Test, which is an alternative to the SIR test, we can guarantee a high chemical reliability of solder paste residues.

OUR BRANDS IN SOLDERING



ECOREL™ SOLDER PASTE RANGE

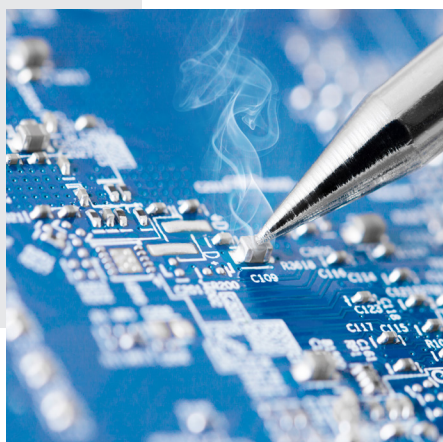
Solder pastes range with different alloys in powder sizes from T3 up to T6 and chemistries to take up today's challenges (low impact of flux residues, low voids %, free of halogen, thermal cycle performance...)

PRODUCT	DESCRIPTION	ALLOY
Ecorel™ Free 387-6D	<ul style="list-style-type: none"> No clean solder paste with chemically inert residue after reflow Paste compatible with conformal coatings qualified in the military industry, ie passes both the IPC SIR and BONO tests even after applying a polyurethane conformal coating 	SAC387
Ecorel™ Free 305-21	<ul style="list-style-type: none"> Chemically inert residue, minimizing the risk of corrosion mechanisms and leakage Good compatibility with a large range of conformal coating in the market BONO corrosion test compliant 	SAC305
Ecorel™ Free 305-16 LVD	<ul style="list-style-type: none"> No clean SMT printing process Low voiding to offer great heat dissipation Very good wetting on all surface finishing, including OSP 	Sn96,5Ag-3Cu0,5
Solderel™ DMH 0524	<ul style="list-style-type: none"> Excellent residue cleanability Residue must be cleaned Recommended for defense and aerospace applications 	SnPb36Ag2
AMTECH 4300	<ul style="list-style-type: none"> Multi-process capabilities, a «No Clean» formula that is also water washable Compatible with high temperature alloys Suitable for fine pitch applications Low solder voids and halide free 	Sn63Pb37

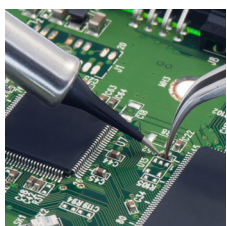


Soldering

RECOMMENDED SOLDERING PRODUCTS



OUR BRANDS IN SOLDERING



ECOFREC™ SOLDER FLUX RANGE

Solder flux range are specially designed to meet current challenges in wave selective soldering and are available in both: solvent- & water-based (no VOC).

PRODUCT	DESCRIPTION	ALLOY
Ecofrec™ 200	<ul style="list-style-type: none"> Reduced solder balling Low residue, excellent performance in ICT, no false failure High reliability, complies with BONO corrosion test 	Alcohol based
Ecofrec™ 202	<ul style="list-style-type: none"> High SIR values Good cosmetic aspect residue Low residues 	Alcohol based
Ecofrec™ 203	<ul style="list-style-type: none"> High reliability, complies with BONO corrosion test Good soldering performance on any board finish 	VOC Free
Ecofrec™ 210	<ul style="list-style-type: none"> Excellent wettability & through-hole penetration Very high SIR values Very clean boards due to lowest residue level 	Alcohol based
Ecofrec™ CMA 155	<ul style="list-style-type: none"> Easy to clean flux Good balance of activation 	Alcohol based
Ecofrec™ TF48	<ul style="list-style-type: none"> Tacky flux designed for soldering and rework of components For leaded and lead free ball attach and BGA repair processes Excellent printing performance 	Tacky flux

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



Cleaning

OUR EXPERTISE IN CLEANING FOR AEROSPACE & DEFENCE INDUSTRY

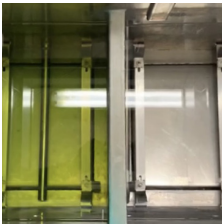
Inventec's 60 years expertise on precision cleaning has led to a wide range of cleaning products for both **mechanical and electronic applications**.

For **electronics**, Inventec has cleaning chemistries to **operate at different production stages**:

- Before underfill for better adhesion performance
- Before wire bonding for better bonding process
- After reflow to remove flux residues & other pollutants
- Before applying conformal coating or potting to improve adhesion

For **mechanical**, Inventec redefines the level of **consistency and cleanliness to remove greases, oils particles & other pollutants without damaging internal and external structure of the parts**. It can be in interoperation or in surface treatment.

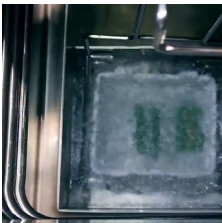
OUR BRANDS IN CLEANING



TOPKLEAN™

HYDROCARBON CLEANING RANGE

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



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.



PROMOCLEAN™

DETERGENT CLEANING RANGE

Cleaning fluids for water-based immersion or spray processes.



QUICKSOLV™

FAST EVAPORATING SOLVENT RANGE

Fast evaporating solvents for cleaning at ambient temperature. Mainly used for manual cleaning.

OUR PARTNER BRAND IN CLEANING



Inventec is an authorized distributor & formulator of 3M™ Novac™ fluids for precision cleaning applications. 3M™ developed the Hydrofluoroethers (HFE), which is still today considered as the best solvent in terms of safety, sustainability and ease of process implementation.



Cleaning

RECOMMENDED CLEANING PRODUCTS

SOLVENTS: VAPOR PHASE APPLICATION

Non flammable, elimination of a variety of pollutants, compatibility with all metals, quick clean, solution without ODP. Replace halogenated and chlorinated solvents.

CO-SOLVENTS MIXED & SEPARATED							
PRODUCT		CHARACTERISTICS	OPERATING TEMPERATURE		FLASH POINT		APPLICATION METHOD
			Mixed	Separated	Mixed	Separated	
Topklean™ MC 1153	3M™ No-vec™ 7100	<ul style="list-style-type: none"> Degreasing fluids and oil removal of heavy oils Eliminate particles, fluorinated lubricants, light oils and fluoro-polymers 	68° C	≤ 49° C	NA	64° C	Vapor phase machines. Compatibility with o-Solvent or Vapor phase machines with independent tank of the vapor phase for the use of Topklean™ only
Topklean™ MC 20A			66° C	≤ 49° C		64° C	
Topklean™ MC 1007			68° C	≤ 82° C		97° C	
Topklean™ EL 20A			≤ 66° C	≤ 50° C		65° C	
Topklean™ MC 1153	3M™ No-vec™ 71IPA		68° C	≤ 49° C	NA	64° C	
Topklean™ MC 20A			66° C	≤ 49° C		64° C	
Topklean™ MC 1007			68° C	≤ 82° C		97° C	
Topklean™ EL 20P			≤ 70° C	≤ 50° C		62.5° C	

PURE & AZEOTROPIC SOLVENTS				
PRODUCT	CHARACTERISTICS	CHEMICAL NATURE	BOILING TEMPERATURE	APPLICATION METHOD
ovec™ 7100	<ul style="list-style-type: none"> Non-flammable Cleans, removes particles, dust, fine oils, wax and some silicones 	Hydrofluoroether	61° C	Vapor phase machines
3M™ Novec™ 7200	<ul style="list-style-type: none"> Non-flammable Cleaning and rinsing fluid for vapor phase degreasing of particles, fine oils and fluoropolymers 	Ethoxy - nonafluorobutane	61° C	Vapor phase machines
Promosolv™ 41M	<ul style="list-style-type: none"> Non-flammable Degreases: heavy oils, greases, fluxing, waxes, varnishes, particles and fluorinated lubricants elimination 	3M™ Novec™ 7100 + 1.2 TDE + Pentafluorobutane	61° C	Vapor phase machines, cleaning contact by spraying and heat transfer
Promosolv™ 70	<ul style="list-style-type: none"> Non-flammable Degreases: heavy oils, greases, waxes, varnishes, particles and fluorinated lubricants 	3M™ Novec™ 7100 + 1.2 TDE	43° C	Vapor phase machines, cleaning contact by spraying and heat transfer
Promosolv™ 90C	<ul style="list-style-type: none"> Non-flammable Degreases: heavy oils, greases, waxes, varnishes, particles and fluorinated lubricants 	3M™ Novec™ 7100 + 1.2 TDE + Pentafluorobutane	43° C	Vapor phase machines, cleaning contact by spraying and heat transfer
Promosolv™ NDE	<ul style="list-style-type: none"> Non-flammable Degreasing fluid and oil removal of heavy oils, dewaxing and defluxing, eliminates fluorinated lubricant particles, light oils and fluoropolymers 	3M™ Novec™ 7100 + 1.2 TDE + Pentafluorobutane	40° C	Vapor phase machines, cleaning contact by spraying
3M™ Novec™ 71DE	<ul style="list-style-type: none"> Non-flammable Degreasing, stripping, rinsing and drying fluid 	3M™ Novec™ 7100 + 1.2 TDE	41° C	Vapor phase machines
Promosolv™ 72DE	<ul style="list-style-type: none"> Non-flammable Degreasing, stripping, rinsing and drying fluid 	3M™ Novec™ 7200 + 1.2 TDE	43° C	Vapor phase machines
3M™ Novec™ 71PA	<ul style="list-style-type: none"> Non-flammable Light cleaning fluid, removes dust, fine oils and fingerprints 	3M™ Novec™ 7100 + isopropyl alcohol	55° C	Vapor phase machines



Cleaning

PRODUCTS MADE FOR HIGH RELIABILITY

SOLVENTS: MANUAL APPLICATIONS

- Their low surface tension and rapid evaporation provide remarkable cleaning quality.
- They are colorless, have a low viscosity and are almost odorless.
- They effectively replace solvents with potential for destruction of the ozone layer, highly toxic, high GWP or highly flammable.

PRODUCT	CHARACTERISTICS	CHEMICAL NATURE	APPLICATION METHOD	FLASH POINT
Quicksolv™ 1	Cold degreasing fluid	Hydrocarbon	Pulverization by spraying	-
Quicksolv™ 25	Degreasing fluid for oils and greases	Hydrocarbon	Manual or immersion	> 29 °C
Quicksolv™ DMC	Cold degreasing fluid	Hydrocarbon	Manual or immersion	-
Quicksolv™ DEF 90	<ul style="list-style-type: none"> • Non-flammable • Cold degreasing and drying fluid: heavy oils, greases, flux, waxes, particles, fluorinated lubricants light oils and fluoropolymers 	3M™ Novec™ 7100 + 1.2 TDE	Manual or immersion without US	-
Topklean™ MC 105	<ul style="list-style-type: none"> • Dewatering fluid, displaces water from the surfaces of parts • Prevents oxidation and corrosion and facilitates subsequent final operations of drying 	Hydrocarbon	Manual, immersion or spraying Temperature ≤ 40° C	60° C
Topklean™ MC 1007	Cleaning fluid for dried or cracked grease and polishing pastes, with temporary protection properties	Hydrocarbon	Manual or immersion Temperature ≤ 70° C	97° C
Topklean™ 1107	Effectively eliminates all lubricant residues as well unloading sludge and machining chips	Hydrocarbon	Manual or immersion Temperature ≤ 40° C	60° C
Topklean™ MC 153	Degreasing fluid for whole oils	Hydrocarbon	Manual or immersion Temperature ≤ 45° C	64° C
Promosolv™ 70	<ul style="list-style-type: none"> • Non-flammable • Degreases heavy oils, greases, waxes, varnishes, particles and fluorinated lubricants 	3M™ Novec™ 7100 + 1.2 TDE	Manual + US	-
3M™ Novec™ 7100	<ul style="list-style-type: none"> • Non-flammable • Cleans, remove particles, dust, fine oils, waxes and some silicones 	Methoxynonafluorobutane	Manual + US	-
3M™ Novec™ 71DE	<ul style="list-style-type: none"> • Non-flammable • Degreasing, stripping, rinsing and drying fluid 	3M™ Novec™ 7100 + 1.2 TDE	Manual + US	-
3M™ Novec™ 72DE	<ul style="list-style-type: none"> • Non-flammable • Degreasing, stripping, rinsing and drying fluid 	Ethoxy-nonafluorobutane + 1.2 TDE	Manual + US	-
3M™ Novec™ 71IPA	<ul style="list-style-type: none"> • Non-flammable • Light cleaning fluid • Removes dust, fine oils and fingerprints 	3M™ Novec™ 7100 + isopropyl alcohol	Manual + US	-
3M™ Novec™ 72FL	<ul style="list-style-type: none"> • Non-flammable • Degreases and cleans light oils, greases and silicones, fluoropolymers, petroleum based solutions, hydraulic fluids, fluorinated lubricants, dust and particles 	3M™ Novec™ 7100 + 3M™ Novec™ 7200 + 1.2 TDE	Manual Spray	-
Electrofor 132CZ	<ul style="list-style-type: none"> • Aerosol for fine cleaning without dismantling • Eliminates quickly dirt, oxides, oils, greases, adhesives and other contaminants 	Methoxynonafluorobutane + Methylcyclohexane	Manual Spray	-
3M™ Novec™ Electronic Degreaser	<ul style="list-style-type: none"> • Non-flammable • Aerosol for degreasing oils and greases 	Ethoxy-nonafluorobutane	Manual Spray	-
3M™ Novec™ Flux Remover	<ul style="list-style-type: none"> • Non-flammable • Non corrosive aerosol for flux elimination during manufacturing, maintenance and fast drying 	Methyl Nonafluoroisobutyl Ether + 1.2 TDE	Manual Spray	-
3M™ Novec™ Contact Cleaner	Removes fluorinated oils and greases, light oils and silicones, dust and particulates from sensitive electrical and electronic equipments	Methyl Nonafluoroisobutyl Ether + Methyl Nonafluoroisobutyl Ether	Manual Spray	-



Cleaning

PRODUCTS MADE FOR HIGH RELIABILITY

SOLVENTS: VACUUM APPLICATION

- **Energy savings and operating cost**, the vacuum leads to a reduction of the boiling point of the solvent.
- **Flammability is under control**, the vacuum eliminates oxygen so there is no combustion.
- **Low consumption** thanks to the separation of pollution and solvent.

PRODUCT	CHARACTERISTICS	CHEMICAL NATURE	CONCENTRATION	OPERATING TEMPERATURE	FLASH POINT
Topklean™ MC 20D	Degreasing and removal of soluble and non-soluble oils, greases and fingerprints	Modified ancohol	Pure	~ 70° C	≥ 64° C
Topklean™ MC 25		Modified ancohol	Pure	~ 70° C	≥ 64° C
Topklean™ MC 1153	<ul style="list-style-type: none"> • Degreasing fluids • Eliminate whole oils 	Hydrocarbon	Pure	~ 70° C	64° C
Topklean™ Organic		Agro Solvent	Pure	~ 70° C	65° C
Topklean™ EL 20D	Specially formulated for applications of flux elimination	Modified ancohol	Pure	~ 70° C	≥ 64° C

STRIPPERS

- **Non-Flammable.**
- Formulations replacing the solvents with high ODP (Ozone Depletion Potential) or high risk of flammability.

PRODUCT	CHARACTERISTICS	CHEMICAL NATURE	CONCENTRATION	OPERATING TEMPERATURE		APPLICATION METHOD		FLASH POINT
				Hot	Cold	Cleaning	Rising	
Promoclean™ TP 182	Stripper alternative to NEP or NMP	Micro oxygenated emulsion	Pure or diluted	< 54° C	✓	Immersion or manual application	Rinsing with water or with a solvent	69° C
Promoclean™ TP 183 NON COV	Non-flammable stripper for: <ul style="list-style-type: none"> • Organic pollutions, such as lubricants and resins • Mineral pollution, such as dust and graphite 	Micro oxygenated emulsion	Pure or diluted	< 119° C	✓			134° C
Promoclean™ TP 184	Non-flammable cleaner for a wide range of ink	Micro oxygenated emulsion	Pure or diluted	50° C	✓			> 65° C
Promoclean™ TP 186B	Non-flammable cleaner for varnish, paint resins and lacquers	Micro oxygenated emulsion	Pure	< 80° C	✓			95° C
Promoclean™ TP 188	Cleaning and stripping of varnish, lacquers and paints	Micro oxygenated emulsion	Pure or diluted	69° C	✓		> 84° C	
Quicksolv™ DEF 90	<ul style="list-style-type: none"> • Non-flammable • Stripping and cold-drying product for heavy oil, greases, flux, waxes, particles, fluorinated oils, light oils and fluoropolymers 	3M™ Novec™ 7100 + 1.2 TDE	Pure	X	✓	Spraying	Do not require rinsing	-



Cleaning

PRODUCTS MADE FOR HIGH RELIABILITY

DETERGENTS: BY IMMERSION OR SPRAYING

Liquids and alkaline, for the most part they have been specifically formulated for use in ultrasonic baths or spray to clean all types of contaminants.

PRODUCT	CHARACTERISTICS	CHEMICAL NATURE	STANDARD CONCENTRATION OF USE	OPERATING TEMPERATURE	APPLICATION METHOD	PH	
						Pure	1%
Promoclean™ TP 1113	Degreasing of polishes and oils	Alkaline	1 - 5%	55 - 60° C	Immersion or Spraying	12	10.5
Promoclean™ TP 1114	Elimination of polishes and fingerprints	Alkaline	1 - 3%	40 - 70° C		11	10.1
Promoclean™ TP 1115	<ul style="list-style-type: none"> Degreasing and cleaning for finishing Remove cutting oil, swarf, dust and fingerprints 	Alkaline	2 - 5%	50 - 55° C		11.5	10.3
Promoclean™ TP 1128	<ul style="list-style-type: none"> Used in preparation before vacuum treatment Degreasing and removing lapping pastes 	High Alkaline	1 - 1.5%	40 - 70° C		> 13	12.5
Promoclean™ Dewax Plus	Dewaxing and degreasing	Low Acidity	1 - 10%	50 - 70° C		4.7	< 7
Promoclean™ Disper 2	Mechanical maintenance degreasing with temporary corrosion protection properties	High Alkaline	5 - 20%	40 - 70° C	Spraying	13	19
Promoclean™ Disper 6	Inter-operational degreasing with temporary corrosion protection properties	Alkaline	1 - 5%	40 - 50° C		13	11.5
Promoclean™ Disper 10	Mechanical degreasing with temporary corrosion protection properties	Low Alkaline	1 - 5%	40 - 50° C		9.8	9
Promoclean™ Disper 15	Detergent BORATE FREE for degreasing with protective anticorrosion properties	Low Alkaline	1 - 3%	40° C and 50 - 75° C		9.9	9.2
Promoclean™ Disper 607	Detergent for flux elimination with low VOC, no foaming	Alkaline	25%	50 - 60° C	Immersion or Spraying	10.6	-
M-AERO	Degreasing of oils and greasing	Alkaline	5 - 20%	Up to 60° C		11.7	10.8
M-AERO NS	Degreasing of oils and greasing	Low Alkaline	10 - 20%	60° C		9.1	7.1
M-HP	Degreasing surfaces with various origins of impurities, ideal for high pressure applications	Alkaline	3 - 5%	40 - 70° C	Spraying	12	-
M-HP2	Degreasing of oils and greasing	Alkaline	3 - 10%	> 70° C	Spraying > 100 bars	11.8	10.9
M-GP	Degreasing and cleaning lenses of polymethylmethacrylate not treated before coating	Alkaline	5 - 20%	60° C and >	Immersion or Spraying	11.4	11.3
Blue Gold Spray Wash Cleaner	<ul style="list-style-type: none"> Cleaning parts in contact with oxygen No residue after drying 	Alkaline	2 - 5%	40 - 60° C	Immersion or Spraying	13	11

Non-exhaustive list of cleaning products. INVENTEC assists you in the study of the compatibility of pollutants with the product and in the process definition adapted to your needs.

Ecoprogram™

RECYCLING OF SOLVENTS



ECOPROGRAM

Service for SOLVENT RECYCLING, SOLVENT REGENERATION & ECO-CONSULTANCY

Benefits:

- To reduce the amount of waste in the environment
- To avoid cost & administration for the destruction
- To buy recycled but still high-quality product at lower cost
- To improve your company's environmental image

Most solvents don't end up as waste when you don't need them anymore.

You may also want to purify the solvent over time to avoid the risk of any build up impurities in your system.

REDUCE

- ENVIRONMENTAL IMPACT
- COST



Our ECOPROGRAM service availability may differ from one to another country as recycling and waste-treatment is strictly regulated.



OUR SOLVENTS
DON'T END UP AS
WASTE

Greenway™

THE WAY WE THINK, THE WAY WE ACT



In 2012, Inventec launched Greenway™ in order to steer new development to more green products.

10 years later, Greenway™ evolved to **classify each product related to their HSE impact.**

GREENWAY™ SCORE

GUIDES YOU
TOWARDS THE MOST
SUSTAINABLE SOLUTION

To evaluate the impact, the following product indicators are taken into account:

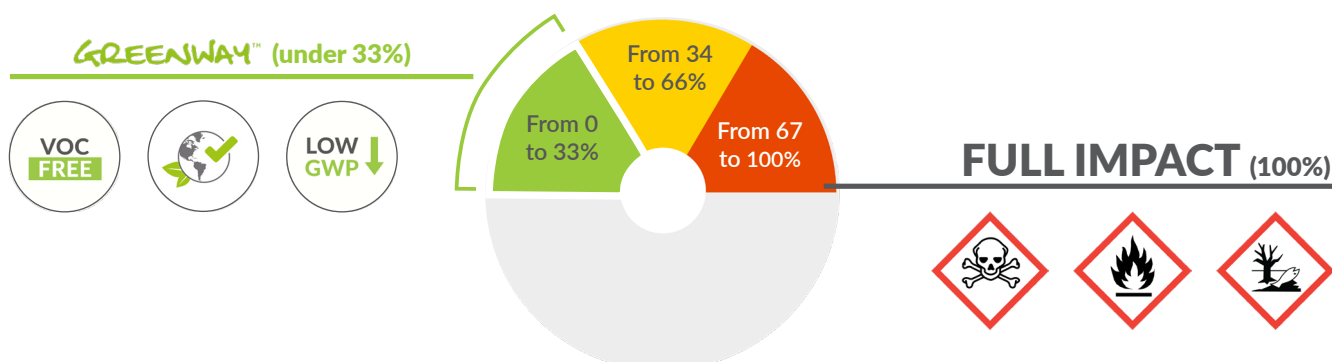
INDICATORS ON HUMAN HEALTH

- Flammability
- Toxicity
- Corrosivity
- Risks of raw materials

INDICATORS ON ENVIRONMENT PROTECTION & RESSOURCES MANAGEMENT

- Water consumption
- Energy consumption
- Source / origin of raw materials
- Waste management
- Emissions reduction (VOC, GWP)
- Recyclability of the product & packaging
- Circular economy possibilities: with the **ECOPROGRAM**
- Consumption of other consumables
- Comparison of processes

Indicators are translated in percentage with crossed reference data. The data taken into account to calculate the impact score are based on the product MSDS, industrial expertise & European legislations.



A GREENWAY™ PRODUCT HAS LESS THAN 33% OF IMPACT



Immersion cooling

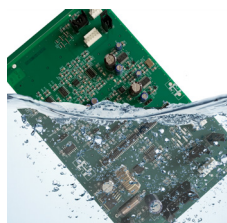
OUR EXPERTISE IN COOLING FOR THE AEROSPACE INDUSTRY

Electronic or electrical devices in use creates heat and **need to be cooled to avoid malfunction**. Inventec with its **experience in non electrically conductive fluids** developed an IMMERSION COOLING FLUIDS range to tackle today's needs for EV development .

Key parameters are taken into account, such as:

- Heat transfer effectiveness
- Electrical Insulating Properties
- Safety & environmental consideration
- Compatibility with materials

OUR BRAND IN IMMERSION COOLING



THERMASOLV™ IMMERSION COOLING FLUID RANGE

Dielectric cooling fluids for both single phase & two phases immersion cooling.

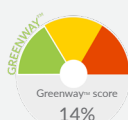
FLUIDS

THERMASOLV™ IM1 Dielectric heat transfer fluid



- Excellent thermodynamic properties, high stability
- Compatible with most materials
- No flash point, non corrosive, no CMR or hazardous compounds

THERMASOLV™ IM2 Dielectric heat transfer fluid



- Excellent thermodynamic properties, low viscosity
- No REACH substance restriction, no GWP
- No flash point, non corrosive, no CMR or hazardous compounds

HIGH PERFORMANCE
SUSTAINABLE
SAFE

Coating

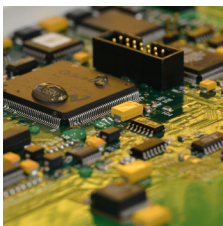
OUR EXPERTISE IN COATING FOR THE AEROSPACE INDUSTRY



To **extend the life-time of your electronic assembly** and **protect it against harsh environments** they operate in, coating is a valuable option.

They can also provide **additional mechanical strength** to the assembly by absorbing vibrations.

OUR BRAND IN 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.

OUR PARTNER BRANDS IN COATING



ABchimie's conformal coatings are great PCB protection solutions, especially developed with sustainability in mind.

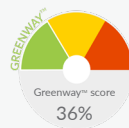


3M™ Novac™ coating range are ultra-thin coatings for electronics.

RECOMMENDED COATING PRODUCTS

PROMOSOLV™ COAT UT10

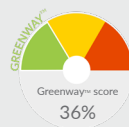
Transparent hydrophobic and oleophobic ultra-thin coating



- Very flexible and optical clear film
- Fast drying at room temperature (<1 min)
- Non-flammable & Low environmental impact

3M™ Novac™ 2704

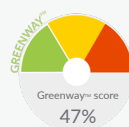
Transparent hydrophobic and oleophobic ultra-thin coating



- Exceptional repellence of all kind of liquids
- Fast drying at room temperature (<1 min)
- Non-flammable & Low environmental impact

ABchimie™ 746E UV LED

Conformal coating cured by UV LED

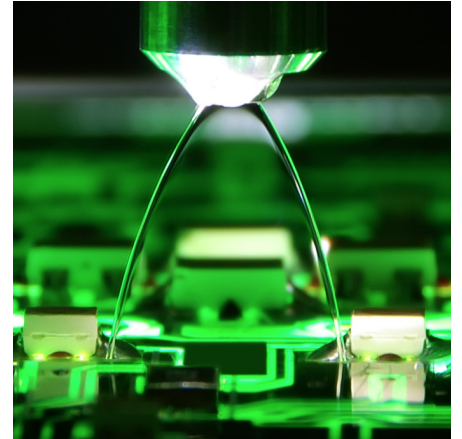
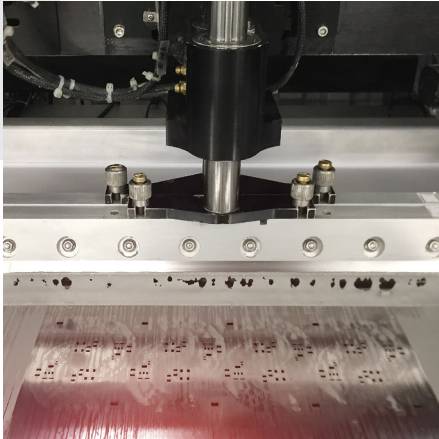


- Non flammable & no VOC
- Very flexible film, no cracks
- Fast & cost effective curing by UV LED

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

Compatibility

A WORRYLESS ALL-IN-ONE SOLUTION



Inventec is unique on the market, providing own developed solutions in Soldering, Cleaning & Coating. Made to be compatible with each other for an easy and worryless process implementation.

Our solder paste flux residues can be easily removed with our cleaners

CLEANING

TOPKLEAN™
PROMOSOLV™
PROMOCLEAN™
QUICKSOLV™
3M™ NOVEC™
BLUEGOLD™
M-AERO™

Recommended to clean before coating to get optimal adhesion and to remove other unwanted contaminations on the PCB



SOLDERING

ECOREL™
ECOFREC™
AMTECH™

Most of our solder paste flux residues are compatible with our coatings and don't influence SIR or BONO reliability test outcome

COATING

PROMOSOLV™ COAT
ABCHIMIE™
3M™ NOVEC™

Whatever your needs or requirements, Inventec has a tailor-made solution for you. Needless to say that talking to one supplier who understands very well these three processes is more efficient in order to achieve the desired outcome at the lowest cost of ownership.

Technical support & product trials

FINDING THE BEST SOLUTIONS WITH OUR EXPERTS

Inventec has a worldwide dedicated Technical Support team to help you along the different stages of our partnership.

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.

Talking to our Technical Team, who are experts in soldering, cleaning & coating materials, will help you greatly to **overcome technical challenges within your overall process**.

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.



OUR MEMBERSHIPS TO STRENGTHEN OUR INDUSTRY KNOWLEDGE



Our partners



They support us

Inventec is one of the **110 laureates of the France Relance automotive & aeronautical modernization funds** in 2020.

By being part of laureates, Inventec developed its **FLUSHING NET** project:

- Set up of a **flushing cleaning line** at Inventec France,
- Creation of a **laboratory dedicated to particle counting** in order to validate cleaning effectiveness,
- Optimization of the **recycling process** in order to minimize flushing fluid consumption and improve the sustainability of the process.



INVENTEC WORLDWIDE

6
PRODUCTION SITES

10
SUBSIDIARIES

WORLDWIDE
DISTRIBUTOR
NETWORK



EUROPE

INVENTEC Performance Chemicals

Head Quarter, Sales office and production facility
26 rue des Coulons – BP 27
94363 Bry-sur-Marne cedex / France
Tel: +33 1 43 98 75 00
Email: info_france@inventec.dehon.com

INVENTEC Switzerland

Production site & Sales office
Z.I, Petits Champs 15
1400 Yverdon-les-Bains
Tel: +41(0) 24 424 80 90
Email: info.ch@inventec.dehon.com

INVENTEC Germany

Sales office
Robert-Bosch-Strasse 14
D-40668 Meerbusch
Tel: +33 (0)6 11 95 98 86
Email: info_germany@inventec.dehon.com

INVENTEC Spain

Sales office
Polígono Industrial Sepes, C/ Kepler 10,
E-46520 Puerto de Sagunto, Valencia
Tel: +(34) 96 353 51 93
Email: infospain@inventec.dehon.com

INVENTEC Hungary

Sales office
Gábor Dénes körút 580. (BITEP Ipari Park)
H-2040 Budaörs
Tel: +(36) 23 431 660 / 661
Email: inventec.hu@inventec.dehon.com

ASIA

INVENTEC China

Production site & Sales office
1/2 F Building 6, No. 185 yuanke Rd.
Xinzhuang Industry Park 201108 Shanghai
Tel: +(86) 21 6442 3962/82
Email: infochina@inventec.dehon.com

INVENTEC South East Asia

Production site & Sales office
No. 3, Jalan Industri Kidamai 2/1, Taman Industri Kidamai 2
43000 Kajang, Selangor, Malaysia
Tel: +(60) 3 8741 8925
Email: infosea@inventec.dehon.com

AMERICA

INVENTEC USA

Production site & Sales office
500 Main Street, Suite 18, PO Box 989
Deep River, CT 06417 USA
Tel: +(1) 860 526 8300
Email: info_northamerica@inventec.dehon.com

INVENTEC Mexico

Production site & Sales office
Rio Conchos 1757, Fraccionamiento Industrial El Rosario
Guadalajara, Jalisco C.P. 44890, Mexico
Tel: +(52) 33 3838 8866
info_southamerica@inventec.dehon.com


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www.inventec.dehon.com • contact@inventec.dehon.com