



CLEANING

# QUICKSOLV™ DEF 90

MULTI-PURPOSE CLEANER  
IMMERSION, FLUSHING & MANUAL CLEANING AT AMBIENT TEMPERATURE  
NON-FLAMMABLE & FAST EVAPORATION

## BENEFITS

QUICKSOLV DEF 90 is a multi-purpose industrial cleaner for manual cleaning of oils, greases, organic residues & solder flux after reflow. Thanks to its low surface tension and reactive substances it permits to solubilize most of organic pollutants. Its fast evaporation allows substantial reduction in cleaning time.

QUICKSOLV DEF 90 is a non-flammable composition of hydrofluoroether & trans-dichloroethen and is a drop-in replacement for flammable solvents like gasoline, isopropanol or acetone or any flammable cleaning products. It's formulated with safety, health of operators and environment in mind.

It can be used for many applications:

- Maintenance of mechanical parts
- Degreasing of low volume production of metal parts in micromechanical & mechanical industry
- Defluxing of printed circuits in rework or low volume production.
- Removal metals particles in additive manufacturing
- It can also remove certain residues of glue, varnish, coatings or polymerized materials, but subject to prior tests.

PERFORMANCE	<ul style="list-style-type: none"> <li>▪ Removal of all type of organic residues</li> <li>▪ Fast, efficient and easy cleaning</li> <li>▪ Compatible with all metals</li> </ul>
COST	<ul style="list-style-type: none"> <li>▪ Non-diluted product</li> <li>▪ Reduces cleaning time</li> </ul>
HSE	<ul style="list-style-type: none"> <li>▪ Non-toxic &amp; no CMR substances</li> <li>▪ Low environmental impact: low GWP, No ODP</li> <li>▪ Non-flammable &amp; no flash point - safe substitution to IPA &amp; other flammable cleaners</li> </ul>

## SPECIFICATIONS

SPECIFICATIONS	VALUES	METHODS
Aspect	Liquid colorless	Visual
Purity (% weight)	> 99,0	Internal / MO.SB.10033

## CHARACTERISTICS

CHARACTERISTICS	VALUES
Flash point	None
Density at 20°C (g/ml)	1,27
Boiling point (°C/°F)	48°C / 118°F
Solubility in water	Insoluble
Surface tension (dynes/cm)	13.6
IKB (Kauri-Butanol)	>100
Vapor pressure at 20°C	65 kPa
Dynamic viscosity at 25°C	0,4 mPa.s
Melting Point (°C/ °F)	-135°C / -211°F

## APPLICATION GUIDELINES

QUICKSOLV DEF 90 is only suitable for cleaning at ambient temperature. For cleaning by spray with non-flammable aerosol packaging, QUICKSOLV DEF 70 can be used.

### IMMERSION APPLICATION



### MANUAL APPLICATION



- In immersion process, it is not recommended to use ultrasounds continuously to avoid a rise of temperature. When using ultrasounds check temperature regular and control.
- The cleaning time depends on the amount of residue and time between each maintenance. We recommend frequent cleaning for a more efficient cleaning process. Regular cleaning decreases the overall cleaning time and consumption of cleaning chemistry
- A dedicated compatibility report of QUICKSOLV DEF 90 with different materials is available on request.

## PACKAGING, STORAGE & SHELF LIFE

- Keep products in closed original packaging and store at room temperature.
- Shelf life is minimum 18 months from production date when kept in recommended conditions.

### PACKAGING



249 KG DRUM

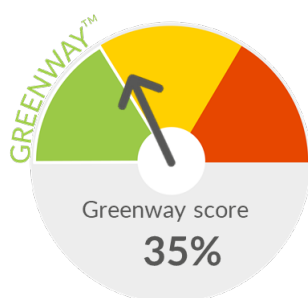
35 KG CANISTER

5 KG CANISTER

## HEALTH, SAFETY & ENVIRONMENT

QUICKSOLV DEF 90 is **NOT** a **GREENWAY** product. Although fully in line with safety & environmental regulations, this product doesn't match our strict criteria to be labelled as a Greenway product.

More info on our Greenway concept via this [link](#)



### LOOKING FOR A MORE SUSTAINABLE SOLUTION?

#### GREENWAY ALTERNATIVE

- We currently don't have a Greenway alternative but our target is to develop one in the near future. In case you want us to prioritize the development of a Greenway alternative, do not hesitate to contact us.

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)

It is biodegradable according to regulation 648/2004 but must be neutralized and filtered before disposal in sewer system in accordance with local regulations. Neutralization and titration methods are available upon request.

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 different 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 you 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](mailto:contact@inventec.dehon.com) or your local sales representative.

## ABOUT INVENTEC

Inventec is a global provider of SOLDERING, CLEANING & COATING 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](http://www.inventec.dehon.com)



S O L D E R I N G • C L E A N I N G • C O A T I N G

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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