



COOLING

# THERMASOLV CF2

HEAT TRANSFER FLUID  
IMMERSION & HEAT TRANSFER  
NON-FLAMMABLE & LOW GWP

## BENEFITS

THERMASOLV CF2 is an excellent heat transfer fluid for cooling system due to its good chemical & thermal resistance. It has good dielectric properties and can as such also be used for dielectric tests. The favorable characteristics of the product's viscosity & density enable superior heat transfer performance. It is a safe to use fluid as it is chemically stable and non-flammable.

Although, good compatibility with a wide range of plastics, metals and elastomers, specific material compatibility should be tested.

PERFORMANCE	<ul style="list-style-type: none"> <li>Good electrical insulation property</li> <li>Excellent thermal conductivity</li> <li>Low kinetic viscosity limits the load on pumps</li> </ul>
COST	<ul style="list-style-type: none"> <li>Thermally stable in use so long-term repeated use possible</li> <li>No flash point : Does not require the use of explosion proof equipment</li> </ul>
HSE	<ul style="list-style-type: none"> <li>No Ozon Depletion Potential (ODP)</li> <li>Non-flammable &amp; non-toxic</li> <li>Low GWP</li> </ul>

## SPECIFICATIONS

SPECIFICATIONS	VALUES	METHODS
Aspect	Colorless, clear	Visual
Purity (%)	> 99,5	Internal

## CHARACTERISTICS

CHARACTERISTICS	VALUES
Boiling point (°C)	110 / 230
Specific heat (KJ/KG.C°)	1.1768
Flash point	No
Heat of vaporization (KJ/KG)	82.05
Surface tension (dynes/cm)	15
Density (g/cm <sup>3</sup> )	1,815
Vapor pressure @ 20°C (kPa)	3.019
Dielectric loss (10 MHz)	0.00046
Liquid viscosity @ 25°C (cSt)	1.353
Dielectric Constant @ 1kHz	1.79
Dielectric Strength Range, 0.1" gap (kV)	39.4
Coefficient of volume expansion (25°C)	0.0014
Resistivity @ 30°C-2.5mm (Ohm.mm)	2.484*10e15

## PROCESS RECOMMENDATION

The best process will depend on factors such as operating conditions & equipment. Our team is ready to advise you.

### TYPICAL APPLICATIONS

- Immersion cooling
- Heat transfert & working fluids
- Testing fluids

## 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.

### AVAILABLE PACKAGING



8 Kg DRUM

## HEALTH, SAFETY & ENVIRONMENT

PROPERTIES	THERMASOLV CF2
Ozone Depleting Potential (ODP)	0.00
Global Warming Potential (GWP)	120
VOC	Yes
Flashpoint	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](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

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Inventec is a global provider of CLEANING, SOLDERING & COATING materials for Electronic, Semiconductor and Industrial applications. For over 40 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 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.

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