



COOLING

THERMASOLV CF1

HEAT TRANSFER FLUID
IMMERSION & HEAT TRANSFER
NON FLAMMABLE

BENEFITS

THERMASOLV CF1 is an excellent heat transfer fluid for cooling systems due to its good chemical & thermal resistance. It has great 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"> High electrical insulation Excellent thermal conductivity Low kinetic viscosity & low freezing point limit the load on pumps
COST	<ul style="list-style-type: none"> Thermally stable in use so long-term repeated use possible Can be returned for recycling and re-use No flash point : Does not require the use of explosion proof equipment
HSE	<ul style="list-style-type: none"> No Ozon Depletion Potential (ODP) Non-flammable & non-toxic

SPECIFICATIONS

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

CHARACTERISTICS

CHARACTERISTICS	VALUES
Boiling point (°C / °F)	170°C / 338°F
Thermal conductivity (W/m-K)	0.065
Flash point	No
Pour Point (°C/°F)	-100°C
Surface tension (dynes/cm)	17
Density (g/cm ³)	1,77
Vapor pressure (kPa)	0.1
Solubility water in fluid (ppm weight)	<14
Kinematic viscosity (cSt)	1.81
Dielectric Constant @ 1kHz	1.93
Dielectric Strength Range, 0.1" gap (kV)	>40

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 transfer & 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 CF1
Ozone Depleting Potential (ODP)	0.00
Global Warming Potential (GWP)	7800
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. 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 or your local sales representative.

ABOUT INVENTEC

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



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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