



## DOWCAL™ 100E Heat Transfer Fluid

Borate Free Inhibited Ethylene Glycol-based Heat Transfer Fluid

### Recommended usage

DOWCAL™ 100E is an ethylene glycol-based heat transfer fluid for use in a wide range of industrial, pharmaceutical, HVAC (Heating, Ventilation & Air Conditioning), freeze protection and heat recovery applications. It is also suitable for applications requiring corrosion protection at lower glycol concentrations, such as ground source heat pumps.

### Key Benefits of DOWCAL™ 100E Heat Transfer Fluid

- Improved corrosion and protection, in particular for aluminum alloys
- Long Fluid Lifetime, lowering maintenance cost
- Suitable for use at a minimum 20% concentration
- Free of phosphate, nitrite, nitrate, borate and CMR(Carcinogenic, mutagenic, and reprotoxic) classified substances \*
- Hard water stability to help enable use with local tap water
- Compatible with commonly used elastomers

### Geographical Availability

DOWCAL™ 100E Heat Transfer Fluid is available in Europe, Middle East, Africa and India

### Typical Properties of DOWCAL™ 100E † Heat Transfer Fluid

Composition (% by weight)		Test Method	
	Ethylene Glycol	94	
	Inhibitors	6	
Color		Colorless	
Density at 20 °C	g/cm <sup>3</sup>	1.114	ASTM D7042
pH of Solution	(50% Vol. in Water)	8.0 – 8.8	ASTM E70
Reserve alkalinity min.	mL (0.1 N HCl)	9.5	ASTM D1121
Freeze point (50% vol in water)	°C	- 36	ASTM D1177

† Typical properties not to be construed as specifications. Complete sales specifications are available on request.

\* DOWCAL™ 100E and DOWCAL™ 200E are phosphate, nitrite, nitrate, borate and CMR(Carcinogenic, mutagenic, and reprotoxic) free, being manufactured without the use of these substances.

**Contact information:**

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