



A RANGE DESIGNED  
to meet the needs of the application

- + Refrigeration
- + Air conditioning
- + Heating
- + Geothermal energy
- + Solar thermal

# The heat transfer fluid range

by **climalife**

*Climalife innovates, formulates, produces, controls, markets and gives advice.*

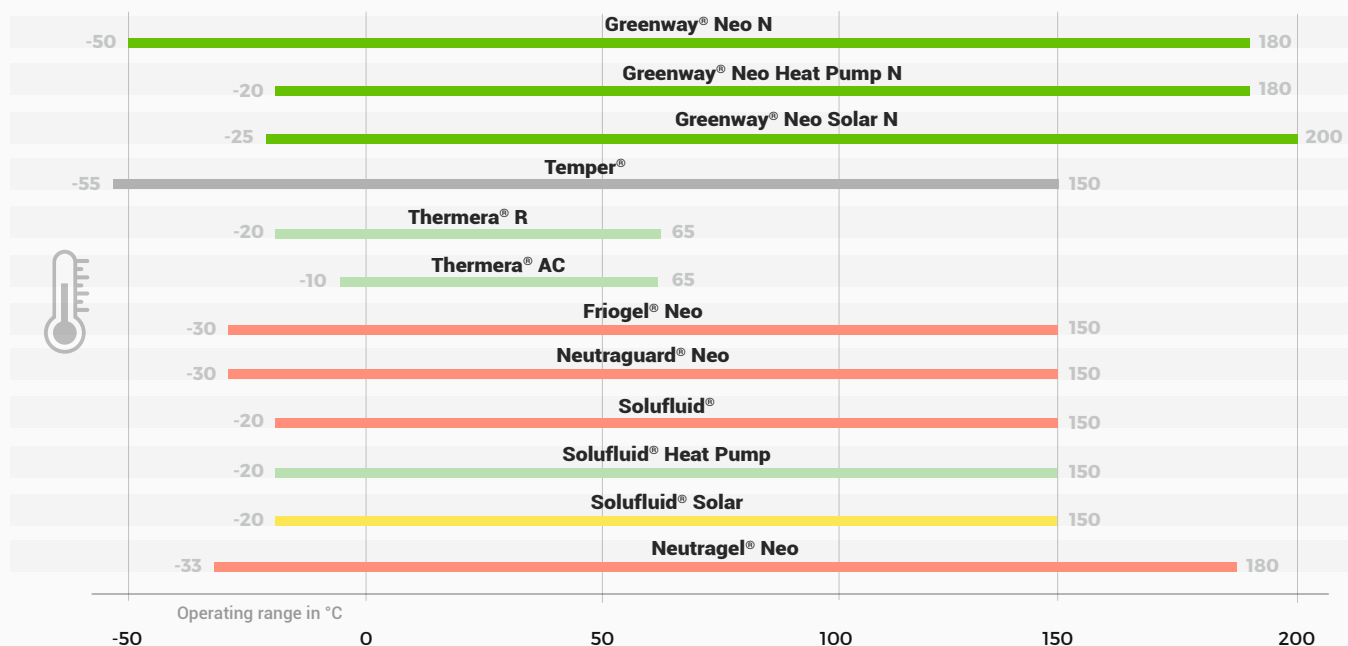
## THE ADVANTAGES

- More than 40 years of know-how as a producer.
- Dedicated technical assistance.
- A wide temperature range.

## OUR FORMULATION BASES

- + 1,3-propanediol bio-sourced
- + Acetate and potassium formate
- + Betaine
- + Mono propylene glycol (MPG)
- + Mono ethylene glycol (MEG)

## CLIMALIFE'S HEAT TRANSFER FLUIDS COVER A WIDE RANGE OF TEMPERATURES



# A CHOICE OF HEAT TRANSFER FLUID DESIGNED

for your systems to:

- + Improve energy efficiency
- + Reduce carbon emissions



	Greenway® Neo N	Greenway® Neo Heat Pump N	Greenway® Neo Solar N	Temper®	Thermera® R	Thermera® AC	Friogel® Neo	Neutraguard® Neo	Soluf fluid®	Soluf fluid® Heat Pump	Soluf fluid® Solar	Neutragel® Neo
Formulation base	plant base - 1,3 propanediol			salt base - acetate, and potassium formate	plant base - betaine		petroleum - mono propylene glycol (MPG)					petroleum - mono ethylene glycol (MEG)
Environmental impact	sustainable resource			synthetic origin	sustainable resource		fossil resource - non-renewable					
Safety	non toxic, NSF HT1 <sup>(1)</sup>	non toxic, with bitter <sup>(2)</sup>		non toxic		non toxic, with bitter <sup>(2)</sup>	non toxic	non toxic, with bitter <sup>(2)</sup>				toxic, with bitter <sup>(2)</sup>
Metal protection	high performance hybrid inhibitors			long-term organic inhibitors	conventional inhibitors		long-term organic inhibitors					
Viscosity compared to MPG*	lower and much lower at very low temperatures	lower		much lower	lower		MPG, basis of comparison					lower
Preparation	to be diluted and ready to use			ready to use			to be diluted and ready to use	to be diluted	ready to use			to be diluted and ready to use
Industries / Application sectors	food industry / refrigeration	building and energy / air-conditioning, heating and renewable energies	building and energy / heating, renewable energies and domestic hot water	food industry / refrigeration		building and energy / heating and renewable energies	food industry / refrigeration	building and energy / air-conditioning, heating and renewable energies			building and energy / heating, renewable energies and domestic hot water	all industries / refrigeration

(1) Registered NSF HT1 (for accidental food contact). (2) Including a bittering agent to limit the risks associated with unintentional ingestion.

\* MPG = Mono propylene glycol.

All Climalife heat transfer fluids are free of nitrates, amines, phosphates, borates and CMR substances (carcinogenic, mutagenic, reprotoxic).

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