

# HEAT TRANSFER FLUIDS



Our  
expertise  
at your  
service

***USEFUL ADVICE WHEN CHOOSING THE RIGHT  
HEAT TRANSFER FLUID FOR YOUR SYSTEMS***

**climalife<sup>®</sup>**

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## HTFs – Useful advice when choosing the right product for your systems

With many different types of heat transfer fluid on the market, each promising their own different benefits, sometimes it can be tricky to know which product to choose.

Should you use MEG (Mono Ethylene Glycol), MPG (Mono Propylene Glycol), one of the new natural alternatives or perhaps even water?

The decision is an important one and **whilst one particular option may look cheaper at the outset, over the long term it could prove to be the most costly.**

### Here are some useful points to consider when choosing the right product for you:

- **Using water directly from the tap** or over diluting concentrated fluids is strongly discouraged. Doing so could negatively impact the effectiveness of the fluid, causing reduced thermal capacity and possibly causing corrosion problems.
- **Corrosion protection is critical** to maximise the longevity of any fluid. Some products may only give protection for a couple of years before they need to be changed. Good quality heat transfer fluids will contain inhibitors that protect against corrosion for a much longer period of time.
- **Inhibitor technology** has advanced considerably over the last 10 years and Climalife have a range of heat transfer fluids that contain organic inhibitors. These inhibitors work to protect areas of a system that are particularly vulnerable by creating a molecular film. This has the added benefit of better heat exchange and provides long lasting protection that doesn't degrade as quickly over time.
- **When diluting a concentrated heat transfer fluid**, we recommend using demineralised or de-ionised water as they do not contain the same level of chlorides, sulphates or calcium, normally found in tap water. These can cause scaling or a build-up of sludge, each of which can impact the effectiveness of a system and be very costly to fix. If diluted too much, the corrosion inhibitor protection level in a heat transfer fluid will also reduce and can also, potentially, allowing bacteria to develop if left untreated

If you require advice on choosing a heat transfer fluid for your system or more information on the Climalife range of HTFs, please visit our website or give us a call on the number below.