

# MOL ThermoFluid HTF

## industrial heat transfer fluid concentrate



MOL ThermoFluid HTF is a state-of-art monoethylene-glycol based coolant concentrate, which is free from nitrate, amine and phosphate, ensuring excellent protection against freezing and corrosion. MOL ThermoFluid HTF can be mixed with water in any proportion. Depending on the mixing ratio, it can provide protection against freezing down to -50°C. \*Use clean, not too hard water for preparing the heat transfer liquid. Do not use mining effluents, sea water, saline water, semi-saline water or industrial waste water. Make sure that the water parameters do not exceed the following limit values: Water hardness: 0-20°nK (0-3.6 mmol/l) Chloride content: max. 100 ppm Sulphate content: max. 100 ppm If the water parameters exceed the accepted values, then treat the water with an appropriate method, e.g. by adding clean distilled or deionised water to it. In this way the chloride or sulphate levels can be reduced. Dilution data:

Conc.(%)	Water (%)	Freeze protection
28	72	-15
39	61	-25
44	56	-30
52	48	-40
56	44	-45
64	37	-55

### Application



Cooling and heating systems of industrial equipment, central heating systems and heat exchangers

### Features and benefits

Excellent thermal stability

Protection of hot metal surfaces up to 200 °C and a thermal stress of 40W/cm<sup>2</sup>

Excellent cleaning effect

Prevents deposit formation in heat exchangers and ensures continuous efficiency

Excellent physical and chemical stability

No limescale separation even under permanently high heat impact, so provides effective heat transfer continuously

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### Properties

Properties	Typical values
Appearance	clear liquid
Density at 15°C [g/cm <sup>3</sup> ]	1,116
Flash point (Cleveland) [°C]	125
Water content (KF) [mass %]	4
Corrosion test in glassware, weight loss	
-on copper [mg/coupon]	1,0
- solder [mg/coupon]	0,6
- brass [mg/coupon]	0,9
-on steel [mg/coupon]	0,2
- on crude iron [mg/coupon]	-0,1
-on aluminium [mg/coupon]	0,1
pH value	6
Refractive index at 20 °C	1,433
Alkalinity [ml 0,1M HCl/10 ml]	13
Boiling point [°C]	180

The characteristics in table are typical values of the product and do not constitute a specification.

### Storage and handling instructions

Should be stored in its original packaging with airproof sealing, separately from foods, in a place protected against water and sunshine, locked away from children.

In the original container under the recommended storage conditions: 36 months

Recommended storage temperature: -20°C - +30°C

### Ordering information

Custom Tariff Number 38200000

#### SAP code and packaging:

19002163 MOL ThermoFluid HTF 230KG

216.5 l steel drum (for order only)

#### Order booking:

Please contact your local distributor or sales partner for ordering details.