



Product Data Sheet

# COOLANT

# MF

### Product Description:

**COOLANT MF** is a ready to use Si-OAT (Silicate-Organic Additive Technology) with phosphate coolant. It is especially designed for use in modern Internal Combustion Engines (ICE), Hybrids and indirect cooling systems of Battery Electric Vehicles (BEV).

**COOLANT MF** combines Ethylene Glycol as base fluid with cutting-edge silicate inhibitor technology with phosphate supported by a robust organic backbone to obtain the following properties:

- Thermal oxidative stability
- Controlled Atmosphere Brazing (CAB) flux compatibility
- State-of-the-art silicate stabilization
- Outstanding aluminium passivation
- Excellent hard water stability
- Reduced waste thanks to long drain intervals and less replacement of materials
- Free from nitrites, borates, amines and 2-ethylhexanoic acid

**COOLANT MF** exceeds the following performance criteria:

<b>BS 6580;2010</b>	<b>NF-R 15-601</b>	<b>ASTM D3306-20</b>	<b>UNE 26-361-88/1</b>
<b>JIS K2234;2018</b>	<b>FVV R 530;2005</b>	<b>GB 29743.1 2014/2022</b>	<b>Saab</b>
<b>BMW LC 87 / 97 / 18</b>	<b>Fiat 9.55523</b>	<b>MS 7170</b>	<b>GME L1301</b>
<b>VW TL-774-D</b>	<b>VW TL-774-F</b>	<b>VW TL-774-G</b>	<b>VW TL-774-J</b>
<b>VW TL-774-L (G12 EVO)</b>	<b>MAN 324 NF</b>	<b>MAN 324 Si-OAT</b>	<b>MWM 0199-99-2091/12</b>
<b>Iveco 18-1830</b>	<b>Cummins 85T8-2</b>	<b>DFTR 29C120</b>	<b>MB 325.5</b>
<b>MB 325.6</b>	<b>Deutz DQC CA-14</b>	<b>Volvo 128 6083 /002</b>	<b>Volvo TR-31854114-002</b>
<b>Toyota 1WW/2WW</b>	<b>Jl Case JIC-501</b>	<b>Jenbacher / INNIO</b>	<b>Ford ESD-M97B49-A</b>
<b>MTU / Rolls-Royce MTL 5048</b>			



Property	Unit	Test Method	Typical Value
Color			Colorless
Density @20°C	kg/l	ASTM D1122	1.071
Refractive Index, 20°C		ASTM D1218	1.386
Equilibrium Boiling Point	°C	ASTM D1120	108
pH		ASTM D1287	8.3
Initial crystallisation	°C	ASTM D1177	-36

**Product Nr:** 45183  
**Date Superseded:** -

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