



## RAVENOL HTC Cold Climate -60°C Protect MB325.0



**APPROVALS** VW TL 774-C (FÜR KONZENTRAT) | LAWA ERDWÄRMESONDEN

**RECOMMENDATIONS** ASTM D3306, ASTM D4985, ASTM D4340; AUDI; BMW 81 22 9 407 454, 83 19 2 211 191; DAF; FORD AF PLUS, FORD ESE-M978B4H-A; GM 1825M, GM 1899M, GM 93740140, GM 93740141, GM SATURN; HONDA OL999-9011; JAGUAR; JOHN DEERE; MAN 324; MB 325.0 (KONZENTRAT), MB 326.0 | SAE J1034 | SAAB | RENAULT GLACEOL RX TYPE D | PORSCHE | OPEL-GM QL130100 | NATO S-759

ART.-NR. 1410142

1,5 L | 1410142-150  
5 L | 1410142-005  
10 L | 1410142-010  
20 L | 1410142-020

**RAVENOL HTC Cold Climate -60°C Protect MB325.0** is a ready-to-use, prediluted with water, eco-friendly, 1.2- Ethanediol (monoethylene glycol) based amine and phosphate-free, all-season coolant with frost and rust protection for use in Mercedes, BMW, Opel, Saab and General Motors engines. This product is formulated based on a proven inhibitor development by combining silicates with the organic additive technology OAT as an extended life coolant. The product is suitable for regions with cold climate.

The quality of an antifreeze is no longer just determined by the antifreeze effect (which automatically exists in an ethylene-glycol based product), but by the rust protection. That is why automakers subject antifreeze to lengthy corrosion and cavitation tests.

**RAVENOL HTC Cold Climate -60°C Protect MB325.0** protects the cooling system from rust, frost, and in summer, from overheating.

### Application Notes

**RAVENOL HTC Cold Climate -60°C Protect MB325.0** is a prediluted coolant with frost and rust protection for year-round use in automotive engines.

Even in summer coolant must contain enough antifreeze to ensure good corrosion and overheating protection.

Instructions: Add **RAVENOL HTC Cold Climate -60°C Protect MB325.0** to radiator to fill line.

**RAVENOL HTC Cold Climate -60°C Protect MB325.0** can also be used according the mixing table.

Mix **RAVENOL HTC Cold Climate -60°C Protect MB325.0** with clean water (per mixing chart) and add. Allow engine and heater to warm up, add coolant to fill level.

**RAVENOL HTC Cold Climate -60°C Protect MB325.0** can also be used as dilution in geothermal probes and geothermal collectors as recommended list of LaWa (Federal / State Working Group on Water in Germany).

**RAVENOL HTC Cold Climate -60°C Protect MB325.0** is included in the list of recommendations of the LaWa for water management requirements for geothermal probes and geothermal collectors.

Mixing Chart:





Antifreeze protection until	Parts Antifreeze	Parts Water
- 25°C	1	1
- 15°C	1	2

## Characteristics

**RAVENOL HTC Cold Climate -60°C Protect MB325.0** offers:

- Excellent for use in cast iron or aluminium engines, or alloys of the two metals, and aluminium and copper alloy radiators
- Good reserve alkalinity
- Protection from corrosion and cavitation
- Prevents sediments and foaming in the cooling system
- Compatible with elastomers used in automotive radiators



Property	Unit	Data	Audit
Density at 20°C	kg/m <sup>3</sup>	1123,0	EN ISO 12185
Colour		blau	visual
pH-value (50 %, 20°C)		7,8	ASTM D 1287
Freezing point (50 %-Lösung)	°C	-60	ASTM D 1177

All information correspond to the best of our knowledge to the actual situation of the cognitions and our development. Subject to alterations. All references made to DIN-norms are only for the description of the goods. There is no guarantee. In case there will be any problems please contact the technical service.

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