



## RAVENOL LTC - Protect C12++ Concentrate

BORATE - NITRITE - PHOSPHATE - FREE

RAVENOL LTC Lobrid Technology Coolant Concentrate is an eco-friendly 1.2- Ethanediol (monoethylene glycol) based coolant for cooling circuits in combustion engines which provides maintenance-free corrosion and frost protection. 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 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 LTC Lobrid Technology Coolant Concentrate protects the cooling system from rust, frost, and in summer, from overheating.

### Application Notes

RAVENOL LTC Lobrid Technology Coolant Concentrate with frost and rust protection for year-round use in all-aluminium engines.

Mix according to chart. Please follow manufacturer instructions.

Instructions: Clean cooling system, test leak tightness, flush.

Mix RAVENOL LTC Lobrid Technology Coolant Concentrate with clean water (per mixing chart) and add. Allow engine and heater to warm up, add coolant to fill level.

### Quality Classifications

RAVENOL LTC Lobrid Technology Coolant Concentrate is tried and tested for aggregates specifying:

#### Specifications

VW TL 774-G (entspricht G12++), MAN 324 Typ Si-OAT, MB 325.5, Porsche ab Bj.97 Boxster, Cayman, Cayenne, Panamera, VW G012A8GM1, G012A8GM8, G012A8GM9, Chrysler MS.90032, Mopar 68163848AA, Mopar 68163849AA

#### Characteristic

RAVENOL LTC Lobrid Technology Coolant Concentrate offers:

- Excellent for all-aluminium engines
- Good reserve alkalinity
- Premium corrosion additives for optimal rust protection for all metals and metal alloys used in cooling systems, including aluminium
- Prevents sediments and foaming in the cooling system
- Compatible with elastomers used in automotive radiators
- Can be mixed with other coolant types

Characteristics	Unit	Data	Audit
Colour		violett	visual
Density at 20°C	kg/m <sup>3</sup>	1120	EN ISO 12185
Flash point	°C	110	DIN 51 758
Boiling point	°C	175	ASTM D 1120
pH-value (50 %, 20°C)		7,8	ASTM D 1287
Reserve alkalinity	ml 0,1 n HCL	5,5	ASTM D 1121
Water content	Gew.-%	5	ASTM D 1123
Freezing point (50 %-Lösung)	°C	-35	ASTM D 1177

All indicated data are approximate values and are subject to the commercial fluctuations.

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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