



RAVENOL TTC - Protect C11 Concentrate

NITRITE- AMINE- PHOSPHATE- FREE

RAVENOL TTC Traditional Technology Coolant Concentrate is an eco-friendly 1.2- Ethanediol (monoethylene glycol) based nitrite, amine and phosphate-free coolant for cooling circuits in combustion engines which provides maintenance-free corrosion and frost protection. The product is formulated as a long-term coolant based on a proven inhibitor development.

It is no longer just the anti-freeze effect (which automatically exists in an ethylene-glycol based product) which is critical for the quality of a coolant, but also the rust protection.

Therefore automakers subject coolants to long corrosion and cavitation tests.

RAVENOL TTC Traditional Technology Coolant Concentrate protects the cooling system from corrosion, frost, and in the summer from overheating.

Application Notes

RAVENOL TTC Traditional Technology Coolant Concentrate with frost and rust protection. Use according to the mixing chart. Follow manufacturer's recommendations.

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

Instructions: Clean cooling system, check for leaks, flush.

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

Mixing chart:

Antifreeze protection to approx.	Parts antifreeze	Parts water
- 12°C	25 %	75 %
- 20°C	35 %	65 %
- 37°C	50 %	50 %

Quality Classifications

RAVENOL TTC Traditional Technology Coolant Concentrate is tried and tested for aggregates specifying:

Specifications

VW TL 774-C (acc. to G11 quality), BS 6580 (GB), O Norm V 5123 (Österreich), JIS K 2234 (Japan), CUNA NC 956-16 (Italien), AFNOR R15-601 (Frankreich), SAE J1034, UNE 25-361 (Spanien), ASTM D 4985, ASTM D 1384, ASTM D 2570, ASTM D 2809, FORD WSS-M97B51-A, FIAT 9.55523, FIAT PARAFUO 11, IVECO 18-1830, ASTM D 3306 Type 1, ASTM D 6210 Type 1-FF, CHRYSLER MS 7170

Characteristic

RAVENOL TTC Traditional Technology Coolant Concentrate offers:

- Excellent for light metal engines
- Good reserve alkalinity
- High-quality corrosion additives for optimal corrosion protection
- Elastomer compatible with elastomers used in automotive radiators

Characteristics	Unit	Data	Audit
Colour		yellow-green fluorescent	visual
Density at 20°C	kg/m ³	1130	EN ISO 12185
Flash point (COC)	°C	141	DIN 51 758
Boiling point	°C	155	ASTM D 1120
pH-value (50 %, 20°C)		7,8	ASTM D 1287
Reserve alkalinity	ml 0,1 n HCL	20	ASTM D 1121
Water content	Gew.-%	5	ASTM D 1123
Freezing point (50 %-Lösung)	°C	-37	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.

04.06.2015

Ravensberger Schmierstoffvertrieb GmbH

Postfach 1163

33819 Werther

Tel.: 05203/9719-0

Fax.: 052039719-40 / 41