



RAVENOL HDT Heavy Duty Truck Cool. Concentrate

CONTAINS NITRITE & MOLYBDATE

NON SILICATE, NON PHOSPHATE

RAVENOL HDT Heavy Duty Truck Cool. Concentrate is an eco-friendly 1.2-Ethandiol (monoethylene glycol) based on low silicate technology in combination with nitrite and molybdate coolant for cooling circuits in combustion engines and in particular for heavy duty applications, which provides maintenance-free corrosion and frost protection. This product is formulated based on a proven inhibitor development as an extended life coolant.

RAVENOL HDT Heavy Duty Truck Cool. Concentrate is suitable for gasoline, diesel, and natural gas powered automotive and industrial engines and is particularly recommended for heavy duty engines, where high temperature aluminium protection is important.

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.

Application Notes:

RAVENOL HDT Heavy Duty Truck Cool. Concentrate with highly effective frost and rust protection.

Mix according to chart. Follow manufacturer's recommendations.

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

Mix RAVENOL HDT Heavy Duty Truck Cool. Concentrate with clean 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 HDT Heavy Duty Truck Cool. Concentrate is tried and tested for aggregates specifying:

Practice and tested in aggregates with filling:

ASTM D6210, ASTM D3306, ASTM D4985, Caterpillar EC-1, Cummins CES 14603, Cummins SB 3666132, Detroit Diesel Corporation 7SE298, TMC RP329 Type A, Verlängerte Lebensdauer durch SCA - Supplement Coolant Additives

Characteristics:

RAVENOL HDT Heavy Duty Truck Cool. Concentrate offers:

- High-quality corrosion additives for optimal corrosion and aluminium protection
- Excellent pitting corrosion
- No scale formation by phosphate free inhibitor package
- No gel formation or drop-out
- engineered low-silicate inhibitor package for uniform and homogenous protective layer

| Characteristics | Unit | Data | Audit |
|------------------------------|--------------|------|--------------|
| Colour | | grün | visual |
| Density at 20°C | kg/m³ | 1123 | EN ISO 12185 |
| Flash point (COC) | °C | 115 | DIN 51757 |
| Boiling point | °C | 170 | ASTM D 1120 |
| pH-value (50 %, 20°C) | | 10,5 | ASTM D 1287 |
| Reserve alkalinity | ml 0,1 n HCL | 9,5 | ASTM D 1121 |
| Water content | Gew.-% | 3,5 | 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.

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