Ubuntu Coolant Concentrate

Ethylene glycol coolant concentrate

UB-TDS-028 | Revision 0.1 | 16 October 2026

Applications

Compatible car, truck, bus and stationary engine cooling systems with ferrous or aluminium components.

Performance features

Corrosion control; frost protection; increased boiling protection when correctly diluted.

Reference performance specifications

BS 6580 (UK) SAE J 1034 CUNA NC 956-16 (I) ASTM D 3306 and 4985; FVV Heft R 443 (D) JIS K 2234 (J) UNE 26361-88 (E) NATO S 759; Afnor R 15/601 (F)(1) KSM 2142 (K) EMPA (CH) E/L 1415c (MIL Italy); Porsche/VW/Audi/Seat/Skoda TL 774 C Ford ESD M97 B49-A GM US 6277 M Chrysler MS 9176 VOLVO (Reg. No 260) OPEL GM QL 130100; Mercedes DBL 7700 (1) Man 324 Ford WSS-M97B44-C BMW N 600 69.0 FORD ESD M97 B49-A

Reference designations require verification for the Ubuntu formulation. Ubuntu certification, licensing and OEM approval have not been established.

Reference typical characteristics

Characteristic	Unit / method	Typical value
Colour	Visual	Green
Density @ 20°	Kg/L	1.125
Boiling Point, 760mm Hg	C	176
Freezing Point - 25% vol in Water	C	-12
Freezing Point - 50% vol in Water	C	-36
PH (50% vol in water)		9.4
Reserve Alkalinity		15.4
Flash Point, COC	C	118

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ASTM D1384 corrosion - mg/specimen

METALS	Typical weight loss - mg/specimen	ASTM D 3306 LIMITS Weight loss - mg/specimen
Copper	0,8	10 max.
Solder	2,2	30 max.
Brass	0,8	10 max.
Steel	0,1	10 max.
Cast Iron	0,2	10 max.
Aluminium	0,6	30 max.

ASTM D4340 aluminium corrosion - mg/cm²/week

METALS	Typical weight loss mg/cm²/week	VW TL 774 Type C Limits Weight loss - mg/cm²/week
Aluminium	0,6	1,0 max.

Application notes

Dilute 1:1 with suitable water for the reference 50% mixture. Published guidance excludes concentrations below 40% or above 67%. The reported 25% freeze point is a test datum, not a recommended service dilution. The cited AFNOR and Mercedes designations carry a pH exception.

Contains ethylene glycol. Harmful if swallowed. Keep away from children; obtain medical advice immediately after ingestion. Consult the product-specific safety data sheet.

DRAFT: Technical values have not been verified for the Ubuntu formulation. Confirm product identity, batch data, specifications and the applicable safety data sheet before release or use. Typical values are not manufacturing limits.