

ULTRAGEL V

Yellow Premium MEG Based OAT Coolant
Concentrate G12+

700014/02.24

Rev.1

DESCRIPTION

ULTRAGEL V is an antifreeze concentrate based on monoethylene glycol and organic additives, specially developed for Volvo vehicles. This product contains no nitrites, amines, phosphates, borates, silicates and no other mineral additives. The coolant is suitable for both gasoline and diesel engines, and guarantees an extended service life which means that the product must be replaced every five years or every 250 000 km for passenger cars or every 1 000 000 km for trucks and commercial vehicles.

ADVANTAGES

1. Increased life time, allowing less frequent maintenance, thanks to the corrosion inhibitors which have a very low depletion rate.
2. Thermal characteristics that permit effective engine cooling without boiling.
3. Elimination of deposit problems caused by use of hard water.
4. Elimination of abrasives solids, which gives a better protection of the joints of the water pump.
5. Improved anticorrosion protection of all metals and alloys used in the cooling system of modern vehicles, especially the aluminium.
6. Protection against frost, depending upon the concentration chosen.
7. Excellent antifoaming characteristics.
8. Meets most European and International Standards.

APPLICATIONS

ULTRAGEL V is used in all closed and open cooling systems in cars, trucks, machinery for agriculture and civil works.

USE AND DILUTIONS

ULTRAGEL V must be diluted with water (preferably demineralized). The following table shows the freezing points in function of the concentration.

ULTRAGEL % in water	FREEZING POINT IN °C
33 %	- 20
50 %	- 40
67 %	- 70

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CHEMICAL AND PHYSICAL PROPERTIES

PROPERTIES	METHODS	MEAN VALUES
Density at 20°C	ASTM D 1122	1119 kg/m ³
pH at 50% in water	ASTM D 1287	8,1
Watercontent	ASTM D 1123	2.8 % wt
Reserve Alkalinity (ml HCl 0.1N)	ASTM D 1121	6.1
Boiling Point		172°C
Foaming tendency at 88°C (50%) → foam stability	ASTM D 1881	35 ml 1.5 sec.
Compatibility with hard water	VW PV 1426	No precipitation
Staining on non-ferro metals	GME 60 255	None
Staining characteristics	ASTM D 1882	None
Nitrites, amines, phosphates	-	None
Borates, silicates	-	None
Colour	-	yellow
Shelf life (20°C)	-	3 years

Average values are given for information only.

SPECIFICATIONS

Ultragel V exceeds most of the European and International quality standards:

Institute	Specification
AFNOR	NF R15-601 (France)
ASTM	D3306 – D4656 – D4985
BS	6580
SAE	SAE J 1034
NATO	S-759

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Ultragel V is approved as a coolant by the following manufacturers:

Constructeur	Specificatie
Case New Holland	CNH MAT 3624 – 3724
Cummins	CES 14603 – 14439
DAF	74002
Deutz	DQC CB-14
Fiat	9.5523
Ford	WSS-M97B44-D
General Motors	GM 3420 / B040 1065
Honda / Honda Motorbike	
Iveco	18-1830
MAN	MAN 324 SNF
Mercedes Benz	MB 325.3 / 326.3
Mercedes Benz Trucks	DTFR 29C110 / DTFR 29 D110
Renault / Renault Trucks	41-01-001
SEAT / Skoda / Volkswagen VAG	TL 774 D & F
Vauxhall	GMW 3420
Volvo	VCS

HEALTH, SAFETY AND ENVIRONMENT

Elimination after use must be made in conformity with the local rules in force about disposal.

When needed, Safety Data Sheet can be obtained upon request.

ULTRAGEL V does not contain nitrites or amines but is based on monoethylene glycol (MEG); therefore it is subject to statutory labelling for dangerous substances (poisonous if ingested).

Keep out of reach of children, do not swallow, do not put into sewers or surface waters, keep it stored in original package.