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Product Information

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UNIVERSAL PERMANENT ANTIFREEZE Concentrate & 50/50

Universal Permanent Antifreeze is made from industrial and antifreeze grade virgin ethylene glycol and industry leading additive components. **Universal Permanent Antifreeze** is manufactured to contain no phosphates and low silicates. **Universal Permanent Antifreeze** is also available pre-diluted 50/50 with filtered water making it easier to assure proper coolant mixture for top-off and cooling system fill.

Typical Performance and Specifications

Automotive

ASTM D3306	Ford	VW TL 774 (G11)
GM6038M	Toyota TSK26016	Porsche TL774C
CSMA	GSA A-A-5262A	American Motors AM-4085
GM 1825M (Aluminum)	SAE J1034, J814	Chrysler MS 7170

Heavy Duty

ASTM D4985, D6210	Mack TO 14, GS 17004
Cummins 90T8-4	TMC RP-302 B
Detroit Diesel 7SE298, DDC 93K217	SAE J1941
Freightliner 48-22880	Volvo/GM Heavy Truck Corporation
GM 1899M (Non-Aluminum)	Ford New Holland 9-86, WSN-M97D18D
John Deere 8650-5, H24B1, H24C1, H5	JI Case JIC-501, MS1710
Navistar B1, Type II	Ford ESE M97B18-C
TMC RP 329	PACCAR
Caterpillar	EDM M.I. 1748E
Thermo-King	Waukesha 4-1974D

Typical Properties	Method	Concentrate	50/50
Specific Gravity @ 60° F	ASTM D1122	1.118	1.064
pH	ASTM D1287		10.4
Reserve Alkalinity	ASTM D1121	5.5	2.4
Water, % vol	ASTM D1123	3.0	48.6
Glycols, % vol	ASTM E202	95.0	51
Nitrite, ppm as NO ₂	ASTM D5827	1680	805

Universal Oil Item Number:	16-42-03	16-42-04
Universal Oil MSDS Number	16-42-03	16-42-04

Always consult your vehicles owner manual for proper fluid recommendations and flushing procedures.

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