



DefendAL™ Universal Antifreeze/Coolant

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

PROPERTIES	METHOD	CONCENTRATE	50/50
Specific Gravity @ 60/60 °F.	ASTM D 1122	1.120	1.065
Boiling Point	ASTM D 1120	327° F.	225° F.
Foam Test	ASTM D 1881	45 ml/ 2.7 seconds	45 ml/ 2.7 seconds
pH, 50% Volume Solution	ASTM D 1287	10.4	10.4
Reserve Alkalinity	ASTM D 1121	6.8 ml	3.5 ml
Water, % volume	ASTM D 1123	2.8%	51.4%
Glycol, % volume	ASTM E 202	95.0% Minimum	47.5% Minimum
Nitrite Content		1400 ppm	700 ppm
Additional Inhibitors **This includes Nitrate and Borate Content		1400 ppm**	700 ppm
Product Number:		9025	9026

OUR PRODUCT MEETS THE PERFORMANCE REQUIREMENTS AND SPECIFICATIONS FOR AFTERMARKET ANTIFREEZE/COOLANTS INCLUDING:

<u>AUTOMOTIVE</u>	<u>HEAVY-DUTY</u>
ASTM D-3306, ASTM D-4340	ASTM D-4985
GM6038M	Cummins 90T8-4
CSMA	Detroit Diesel 7SE298
Chrysler MS 7170	Freightliner 48-22880
Ford ESE-M97B44-A	GM 1899M (Non-Aluminum)
GM 1825M (Aluminum)	John Deere H24B1, H24C1, H5
GSA A-A- 52624, GSA A-A-870	Mack TO 14, GS 17004
SAE J1034, J814	RP-302 A, B,C
VW TL 774 (G11)	SAE J1941
Porsche TL774C	Volvo/GM Heavy Truck Corporation
American Motors AM-4085	Ford New Holland WSN-M97D18D
MIL-O-A-5480	J.I. Case JIC-501, MS1710
	Ford ESE M97B18-C
	Toyota TSK26016
	Navistar B1, Type 1

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