



# 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.

## Typical Performance and Specifications

### Automotive

- ASTM D-3306
- GM6038M
- CSMA
- GM 1825M (Aluminum)
- Ford
- Toyota TSK26016
- GSA A-A-870A
- SAE J1034, J814
- VW TL 774 (G11)
- Porsche TL774C
- American Motors AM-4085
- Chrysler MS 7170

### Heavy Duty

- ASTM D-4985
- Cummins 90T8-4
- Detroit Diesel 7SE298
- Freightliner 48-22880
- GM 1899M (Non-Aluminum)
- John Deere 8650-5, H24B1, H24C1, H5
- Navistar B1, Type 1
- TMC RP 302B
- Caterpillar
- Thermo-King
- Mack TO 14, GS 17004
- TMC RP-302 B
- SAE J1941
- Volvo/GM Heavy Truck Corporation
- Ford New Holland 9-86, WSN-M97D18D
- J.I. Case JIC-501, MS1710
- Ford ESE M97B18-C
- PACCAR
- EMD M.I. 1748E
- 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, % Volume	ASTM D1123	3.0	48.6
Glycol, % volume	ASTM E202	95.0	51%
Nitrite, ppm as NO <sub>2</sub>	ASTM D5827	1680	805
Product Code		9025	9026

\* - Always consult your vehicles owner manual for proper fluid recommendations and flushing procedures

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