



Multi-Purpose Antifreeze/Engine Coolant

Medallion Plus® Antifreeze/Engine Coolant is specifically formulated to meet performance requirements of automotive/light duty vehicles as well as those of the heavy-duty diesel engine. It provides corrosion protection for all cooling system metals in all engine applications, including heat rejecting aluminum components such as cylinder heads and blocks common to modern automobiles. Medallion Plus Multi-Purpose Antifreeze/Engine Coolant is also low in silicon content and meets the requirements of most heavy-duty diesel engine manufacturers. This product is an ethylene glycol concentrate recommended for usage at a mixture of 50/50 with high quality water.

Medallion Plus Multi-Purpose Antifreeze/Engine Coolant is suitable for the addition of a supplemental coolant additive (SCA) in heavy duty applications. Universal recommends initial treatment with a SCA (such as Wix Cool) when used in a diesel application. PetroChoice recommends following OEM's suggested intervals for adding SCA's.

<u>PROPERTY</u>	<u>ASTM TEST METHOD</u>	<u>TEST SPECIFICATIONS</u>
pH - 33%	D-1287	11.0 Max.
Reserve Alkalinity, ml	D-1121	10.0 Min.
Specific Gravity (60/60°F)	D-1122	1.110 - 1.145
Freeze Point (% by volume) 50% Aqueous Solution	D-1177	-37°F Max.
Foaming - Foam Volume, ml	D-1881	50 Max.
Break Time, sec.	D-1881	5 Max.
Flash Point	D-92	240°F Min.
Fire Point	D-92	250°F Min.
Ash Content (% by weight)	D-1119	2.0% Max.
Color		OEM Standard Green
Composition (% by weight)		
Total Glycols		95.0% Min.
Inhibitors and Dye		2.0% Min.
Total Apparent Water		3.5% Max.
Chloride, ppm		25 Max.
Phosphorus, ppm		20 Max.
Weight per gallon at 60°F		9.3 - 9.6 lbs.

Meets or exceeds the following manufacturing specifications:

- AAMVA
- General Motors - GM1825M; GM1899M (performance corresponding to GM6038M)
- ASTM - D-3306, incl D-4340; D-4985 (concentrate) / D-4656; D-5345 (prediluted)
- Chrysler Motors - MS-7170
- Cummins - 90T8-4
- Federal Specification A-A-870
- Ford - ESE-M97B44-A
- Mack Truck
- Freightliner
- JI Case - JIC501
- John Deere - H24B1; H24C1
- PACCAR
- SAE J1034
- TMC of ATA RP-302A



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