



Medallion PlusGuard Universal Antifreeze

PRODUCT DESCRIPTION

Medallion PlusGuard Universal is made from industrial and antifreeze grade virgin ethylene glycol and industry leading additive components. It is manufactured to contain no phosphates and low silicates. It 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.

PlusGuard Universal provides protection for both automotive and heavy-duty engines where a "permanent antifreeze" or "ethylene glycol" antifreeze is specified. Heavy duty engines with wet-sleeve liners typically require the addition of a supplemental coolant additive (SCA) to insure sufficient protection against cavitation erosion.

PlusGuard Universal is compatible with charged coolant filters. The charge level of these filters is generally insufficient to insure complete cavitations protection in heavy-duty diesel engines alone.

INDUSTRY APPROVALS

Heavy Duty: • ASTM D-3306, ASTM D-4340, ASTM D-4985 • Cummins 90T8-4 • Detroit Diesel 7SE298 • Freightliner 48-22880 • John Deere H24B1, H24C1, H5 • Mack TO 14, GS 17004 • GM 1899M (Non-Aluminum)

Automotive: • Ford ESE-M97B44-A • GM 1825M (Aluminum) • GM 6038M • Porsche TL774C • Volvo/GM Heavy Truck Corporation • Chrysler MS 7170 • SAE J1941 • RP-302 A, B, C • GSA A-A- 52624, GSA A-A-870 • VW TL 774 (G11)

TYPICAL ANALYSIS

Property	Unit of Measure	Concentrate	50/50
Glycols. % Vol	ASTM D-202 mass %	95	47.5
Freeze Point	ASTM D-1177 (°F/°C)	10°F/-12°C	-34°F/- 37°C
Specific Gravity (@60 °F)	ASTM D-1122	1.12	1.065
Boiling Point	ASTM D-1120 °F	327	225
Weight/Gallon	lb/gal @ 60°F	9.35	8.89
Foaming (150 ml max @ 5 sec)	ASTM D-1881 ml foam, sec	45 ml/ 2.7 sec	45 ml/ 2.7 sec

HEALTH & SAFETY

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your Customer Service Center. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment. Due to continual product research and development, the information contained herein is subject to change without notification.

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