

# Product Fact Sheets

## Blending Syrup

UCA-4 Blending Syrup is a single component additive package that is used to make premium quality antifreeze, for use in light duty applications. It contains highly effective inhibitors designed to provide corrosion protection for metals such as cast iron, copper, solder, steel and aluminum. Antifreeze made using UCA-4 requires the addition of Supplemental Coolant Additives (SCA's) when used in diesel engine applications.

UCA-4 Blending Syrup can be blended with ethylene glycol at 2.21% bv treat rate (a gallon of UCA-4 makes 45.3 gallons) to make EG concentrate or at 1.11% bv treat rate (1 gallon makes 90.1 gallons) to make EG premix when blended per Dober's blending procedures.

UCA-4 Blending Syrup TYPICAL PROPERTIES		Additive Treat Rate EG CN 2.21% bv EG PM 1.11% bv
Color	Visual	Green
Specific Gravity @ 60°F	D1122	1.256
Pounds per Gallon	-----	10.48
PH (Undiluted)	D1127	11.8 - 12.6
Freeze Point, °F (Undiluted)	D1177	40 min.

UCA-4 Blending Syrup makes antifreeze that meets or exceeds the performance requirements of the following specifications:

ASTM D-3306  
Cummins 90T8-4  
SAE 1941  
GM 1825  
GM 1899  
TMC RP 302B

Caterpillar  
Detroit Diesel 7SE298  
John Deere 8650-5  
Case Corp. MS1710  
Ford New Holland 9-86  
Thermo-King

Navistar  
Freightliner 48-22880  
Volvo GM  
PACCAR  
MACK  
EMD M.I. 1748E  
Waukesha 4-1974D

TYPICAL PROPERTIES		EG Concentrate	EG Premix 50/50
Color	Visual	Green	Green
Specific Gravity @ 60 F	----	1.118	1.064
Pounds per Gallon, 60 F	----	9.328	8.877
PH (Undiluted)	D1287	10.5	10.5
Reserve Alkalinity (undiluted)	D1121	5.5	2.4
Freeze Point, °F (Undiluted)	D1177	8 min.	-34 min.
Boiling Point, °F (Undiluted)	D1120	325 min.	226 min.
Water, wt % (Approx.)	D1123	3.0	48.6
Total Glycol, wt %	----	95.0 min.	51.0 min.
Glassware Corrosion Test	D1384	Pass	Pass
Water Pump Cavitation Test	D2809	Pass	Pass
Aluminum Corrosion Test	D4340	Pass	Pass
Ash Content, mass %	D1119	5.0 max.	2.5 max.
Chloride wt% (ppm)	-----	25 max.	25 max.

For additional information contact Dober at:

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