



AUTOGUARD[®] ANTIFREEZE & COOLANT

AUTOGUARD Antifreeze & Coolant is a conventional (green) ethylene glycol base coolant for both automotive aluminum block engines and low silicate light-duty diesel engines. When used in heavy-duty applications, the addition of separate Supplement Coolant Additives (SCAs) is required.

AUTOGUARD Antifreeze & Coolant is compatible with all conventional green antifreeze.

AUTOGUARD Antifreeze & Coolant Protects all cooling system parts including aluminum and modern high lead solders. It has a service life of 2-years from date put in service.

AUTOGUARD Antifreeze & Coolant prevents freezing, boil-over, rusting, corrosion, sludge clogging and scale build-up throughout the cooling system.

AUTOGUARD Antifreeze & Coolant meets or exceeds the following specifications:

ASTM D-3306	SAE J1034	Mack Truck
ASTM D-4340	Caterpillar	Navistar B-1
Chrysler MS 7170	Cummins 90T8-4	SAE J1941
Ford ESE-M97B-44-A	G.M. 1899M	ASTM D-4985
G.M. 1825M		



Warren Oil Company, Inc

*Dunn, NC 28334: Benton, AL 36758: San Antonio, TX 78210:
Marion, IL 62959: Johnstown, PA 15909: West Memphis, AR 72301*



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Cooling System Capacity In Quarts	Quarts of Antifreeze Required for Protection to Temperatures (°F) Shown										
	3	4	5	6	7	8	9	10	11		
8	-7	-34	-69								
9	0	-21	-50	-70							
10	4	-12	-34	-62							
11	8	-6	-23	-47	-65						
12	10	0	-15	-34	-57						
13		3	-9	-25	-45	-64					
14		6	-5	-18	-34	-54	-68				
15		8	0	-12	-26	-43	-62				
16		10	2	-8	-19	-34	-52	-64			
17			5	-4	-14	-27	-42	-58	-69		
18			7	0	-10	-21	-34	-50	-62		
19			9	2	-7	-16	-28	-42	-56		
20			10	4	-3	-12	-22	-34	-48		

For best overall protection, solution strengths within the gray color band are recommended.

FREEZE/BOIL PROTECTION CHART	% of Cooling System Capacity	PROTECTS FROM	
		Freezing Down to	Boiling Up to*
	50	-34°F	265°F
	60	-62°F	270°F
	70	-84°F	276°F

*Using a 15 PSI Pressure Cap

Typical Characteristics

Specific Gravity @ 60F	1.125
Boiling Pt., Reflux, ° F, min.	325
Freezing Pt. (50% solution), °F	-34
pH (50 % solution)	10.8
Water Content, wt. %	4.1
Reserve Alkalinity, ml, min.	11
Total Glycols, WT. %, min.	95
Flash Pt., D-92, F, min.	250
Color	Green
Foaming Characteristics ml./sec., max	50/3
Silicate Level (Reported as Silicon)	<250



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