

# POWERGARD™

PREMIUM COOLANTS

CONVENTIONAL GREEN  
CONCENTRATE

## PowerGard™ Premium Green Concentrate Antifreeze

Is a premium ethylene glycol based antifreeze that provides all season protection and when used as directed, offers superior 5-way protection against:

- Freeze-up/Boil Over
- Wet Sleeve Liner Pitting
- Scale Build Up
- Rust Corrosion
- Sludge/Clogging

### ADVANTAGES

- Meets Light Duty ASTM D-3306 and Heavy Duty ASTM D-6210
- One product for Light Duty and Heavy Duty Applications.
- No need to add SCA's or chemical filters.
- Perfect choice for mixed fleets.
- Compatible with all Conventional Green Antifreeze.
- Phosphate free and meets low silicate standards.
- May be used in virtually any engine cooling system.

### SPECIFICATIONS

As an all purpose, conventional antifreeze, PowerGard Green Concentrate is blended with proprietary additives designed to safely meet the performance specifications of (but not limited to):

- ASTM D-3306
- Ford ESE M97B44D
- Chrysler MS 7170
- GM 1825M
- GM 1899M
- ASTM D-6210
- Caterpillar
- GMC Truck
- John Deere
- Case
- Mack
- Detroit Diesel
- GE Locomotive
- Military CID
- A-A52624-A
- Orion/ MCI Coaches
- Freightliner
- International
- TMC RP329



### TYPICAL PROPERTIES

DESCRIPTION	TYPICAL VALUES	TEST METHOD
Appearance	Visual	Green
Specific Gravity at 60/60°F	1.085-1.150	D 1122
Freeze Point, at 50% max	-34°F	D-3321
pH at 50% Solution	8.5-10.0	D-1287
Reserve Alaklinity min.	6	D-1121
Foam Test	150ml/5 sec	D-1881

Available in Gallon Jugs, Drums, Totes and Bulk



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BOIL OVER PROTECTION	% of Cooling System capacity	PROTECTS FROM	
		Freezing Down to	Boiling Up to*
	40	-10 °F	259 °F
Using a 15 PSI Pressure Cap	50	-34 °F	265 °F
	60	-62 °F	270 °F

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

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

50% SOLUTION RECOMMENDED TO OBTAIN 5-WAY PROTECTION. DO NOT EXCEED 70% CONCENTRATION OF ANTIFREEZE