Great Western Glycol
9009 Quince St. Unit C
Henderson, CO 80640
303-287-4877
303-227-9958
www.greatwesternglycol.com

GoldPlus Antifreeze

● Prediluted, 50/50, Precharged, Extended Life, Universal Hybrid Organic Acid Technology (HOAT), Low-Silicate Antifreeze ● Formulated to be Compatible with Most Types of Antifreeze

This prediluted, 50/50 antifreeze/ coolant utilizes a universal/ global, hybrid organic acid technology (HOAT), extended life, low-silicate, phosphate-free additive package suitable for automotive/ light duty and heavy duty diesel applications. This product was formulated to exceed requirements for ASTM D3306, D4985 and D6210/11 and provides maximum protection against rust and corrosion in auto and trucking cooling systems. This coolant is precharged meaning that it contains a minimum of 1200 ppm nitrites. Its additives effectively control wet sleeve cylinder liner pitting/ corrosion in heavy duty diesel engines. Since this is a HOAT extended life antifreeze/ coolant it combines organic acid salts with conventional inorganic salts and azoles; this makes it compatible with Valvoline G-05 (Mercedes, Ford and Chrysler factory fill), Fleetguard ES Compleat and other HOAT, OAT and conventional coolants.

Best Use: Top-offs up to 15% in any vehicle

Recommended Service Interval: In automobiles, light trucks, SUV's, vans and other light-duty applications, this product will provide a service life in excess of 3 years or 60,000 miles. In heavy-duty diesel applications, it can provide a service life of 300,000 miles with the addition of our heavy-duty supplemental coolant additive (Type 4 SCA) with 60,000 mile maintenance intervals.

BENEFITS

- Ethylene Glycol or Propylene Glycol Base
- Ready-to-Use (50/50 Pre-mix w/ DI Water) or Concentrated (Upon Request)
- Extended Service Formula
- Contains Nitrites
- Low Silicate / Phosphate-free

SPECIFICATIONS

- ASTM D6210 for Heavy-Duty Engines
- ASTM D3306 for Automobiles and Light-Duty Service
- BS 6580 (British Standard)
- TMC RP-329 (EG)
- TMC RP-330 (PG)

MEETS REQUIREMENTS

- Caterpillar (DEAC)
- Chrysler MS 7170
- Cummins
- Detroit Diesel
- Ford WSS-M97B51-A1
- JIS K 2234
- John Deere H-5, H24B1, H24C1
- SAE J1034, J1941

% Antifreeze	Freezing Point °F	Freezing Point °C	Boiling Point* °F	Boiling Point* °C
40%	-12 Max	-24 Max	260 Min	126 Min
50%	-34 Max	-36 Max	265 Min	128 Min
60%	-90 Max	-67 Max	270 Min	135 Min

* Boiling point shown using conventional 15 psi radiator cap.

PHYSICAL PROPERTIES		
Antifreeze Glycols	Mass %	51.5 min
Corrosion Inhibitors	Mass %	1.8
Water	Mass %	46.7 max
Flash Point	°F	None
Weight per gallon At 60°F - 16°C	Lbs	8.9 min

Used antifreeze coolant in most states is not hazardous unless it contains more than 5 ppm of lead. Ethylene glycol can be reclaimed indefinitely. We recommend that spent coolant never be disposed of by dumping into a storm sewer or onto the ground. Instead contact Great Western Glycol at 303-287-4877 for info on how to properly dispose of this coolant and protect our environment.

Table of Properties and Typical ASTM Test Results of GoldPlus Blended with EG as 50% Pre-diluted Coolant

Characteristic	ASTM Specifications	Company Typicals	ASTM Method
Nitrite	1200 ppm, Min	1800 - 2215	D5827
Specific gravity, 60/ 60°F	1.053, Min	1.060 – 1.083	D1122
Freezing point, 50% V/V	-34°F/-37°C, Min	-34°F/-37°C, Min	D1177
Boiling point, 50% V/V	226°F/107°C, Min	226°F/107°C, Min	D1120
Effect on engine or vehicle finish	No effect greater than DI water	No effect	-
Ash content, mass %	2.5, Max	<2	D1119
pH, 50% V/V	7.5 – 11.0	10.0 – 10.6	D1287
Reserve alkalinity*	None specified	2.5, Min	D1121
Water mass %	None specified	49.0, Max	D1123
Color	Distinctive	Dyed or Yellow	-
Foaming	150ml vol., Max 3 sec. break, Max	35ml 1.5 sec.	D1881 D1881
Storage stability	Pass	Pass	-
Glassware Corrosion Test	Pass	Pass	D1384
Aluminum Water Pump Cavitation Test	Pass	Pass	D2809
Aluminum Corrosion Test	Pass	Pass	D4340
Simulated Service Corrosion Test	Pass	Pass	D2570

*Reserve alkalinity (RA) is a term used to indicate the amount of alkaline inhibitors present in an antifreeze formulation. It is incorrect to relate a high RA with a high-quality antifreeze. Present, state-of-the-art antifreeze formulations contain many new inhibitors which give added protection to certain metals but do not raise the RA numbers