

# Golden West

Superior Since 1929

Golden West offers high-quality products that meet or exceed manufacturer's specifications at the most economical prices.

## PRODUCT SPECIFICATIONS

### Data Sheet: Global Antifreeze and Summer Coolant 50/50 Blend\*



Available:



BULK



55/1



6/1 Gal.s

#### Product Application:

Golden West Global Antifreeze and Summer Coolant possesses a proprietary combination of complex carboxylic acid derivatives along with nitrite to protect all six standard metal alloys, (iron, copper, brass, solder, aluminum, and steel) found in radiator systems. Its hybrid organic acid technology (HOAT) additive package is formulated with a stabilization with both conventional inorganic salts and OAT-type antifreezes.

Golden West Global Antifreeze and Coolant contains no phosphates, nitrates, borates, or silicates. In addition, the product will not cause turbidity, precipitation, or inhibitor effectiveness reduction when mixed with carboxylate-based coolants such as Dex-Cool or Texaco Extended life nor with conventional coolants such as Prestone, Zerex, and Peak. In automobiles, this antifreeze should provide service life in excess of 5 years or 150,000 miles. It is ideal for initial fills, coolant change-outs or top-off.

Golden West Global Antifreeze and Summer Coolant meets ASTM D-3306 (Automotive Pre-diluted Coolant), ASTM D-4985 (Heavy Duty Pre-diluted Coolant), and ASTM D-6210 (Fully Formulated Pre-charged).

\* Please note that values below are not diluted. Our 50/50 blend reduces this protection by approximately one-half.

This product is also comparable with the following industry specifications as a concentrate or pre-diluted antifreeze/coolant: TMC RP 329 Type A/302A-1 • SAE J1034, J1038 • GM 1825M/1899M/6277M • Cummins 90T8-4, 3666132 • Detroit Diesel 7SE298 • Caterpillar EC-1, ELC • John Deere H-5, 8650-5 • Freightliner 48-22880 • Ford ESE-M97B44-A, ESE-M97B44-B • Chrysler MS 7170 • Case JIC-501, MS1710 • Waukesha 4-19470 • Mack 014GS17004

Physical Properties	
Antifreeze Glycols	mass % 95.0 min.
Corrosion Inhibitors	mass % 2.1
Water	mass % 2.9
Flash Point	250°F
Weight Per Gallon@60°F	19.30-9.40lbs.
Silicon	<1 ppm
Freeze Protection is at 70%	
Percentage Antifreeze	50
Freezing Point	-34°F/-36°C
Boiling Point	226°F/107°C
Boiling Point shown using conventional 15 psi radiator cap.	

Test Number & Description	Specifications	Typicals	ASTM Method
Chloride	25ppm, max	<25	D-3306
Nitrate	2400ppm, min.	2890	D-5827
Special Gravity	1.115-1.125	1.120	D-1122
Freezing Point, 50% V/V	-34°F/-36°C, max	-34°F/-36°C	D1177
Boiling Point, undiluted	325°F/162°C, min	330°F/164°C	D-1120
Boiling Point, 50% V/V	226°F/107°C, min	226°F/107°C	D-1120
Effect on Engine Finish	No Effect	No Effect	-
Ash content, mass %	5 max.	2.5-2.7	D1119
pH, 50% V/V	8.5-10	9.0-10.0	D-1287
Reserve Alkalinity	N/A	2.0-5.0	D-1121
Water mass %	5 max.	<5	D-1123
Color	Distinctive	Varies with dye	
Effect on Nonmetals	No Adverse Effect	No Adverse Effect	
Cavitation-erosion rating	8 min.	>8	D2809
Corrosion of Aluminum	<1 mg/cm <sup>2</sup> /wk	<0.1 mg/cm <sup>2</sup> /wk	D-4340

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#### United Oil & Grease Company Abilene

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#### United Oil & Grease Company Lubbock

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