



**Genuine Chemistry**  
From the Manufacturer of OEM Fluids



# GC<sup>®</sup> North American Yellow Super Extended Life Prediluted Antifreeze/ Coolant

## TECHNICAL DATA SHEET

Ver. 22-01

## DESCRIPTION and APPLICATIONS

**GC<sup>®</sup> NORTH AMERICAN YELLOW SUPER EXTENDED LIFE PREDILUTED ANTIFREEZE/COOLANT** Prediluted 50/50 is a Hybrid Organic Acid Technology (HOAT) ethylene glycol-based coolant with an inhibitor package that uses organic acid technology (non 2-EH) with stabilized phosphate inhibitors. It does not contain any nitrites, amines, borate, or silicate. It is specifically designed to be used in any North American light/medium/heavy duty applications required **YELLOW** colored fluid to provide long-lasting, complete protection for all cooling system components.

It is recommended for use in any North American vehicle using an **YELLOW** HOAT antifreeze/coolant formulation with diesel, gasoline and natural gas engines for on-road and off-road applications, industrial, farm, mining, construction and military equipment, including models with indirect cooling systems of Electric (EV), Hybrid (HEV) and Plug-in-Hybrid (PHEV) technologies.

## PERFORMANCE FEATURES and BENEFITS

- **Extended life organic acid (non-2EH acid) technology**  
Works in all engine applications. When used as directed, the product will provide long-lasting protection for modern engines.
- **Free from 2EH acid, amines, borates, nitrites, and silicates**  
This formulation provides excellent heat transfer capabilities for high-temperature applications and a stable inhibitor package free of amines, silicates, borates, nitrites, and 2EH acid. It is therefore the recommended choice for engine and vehicle OEMs around the globe.
- **Outstanding corrosion protection**  
This product provides excellent corrosion protection as confirmed through numerous OEM tests and demonstrated in evaluations under ASTM D3306 and D4985 specifications. It eliminates the need for SCA and chemically-charged filters.
- **Compatibility**  
This non-abrasive product is fully compatible with other similarly formulated OAT engine coolants and may improve water pump seal life. It can be mixed with other coolants (which should be kept below 25% to maintain corrosion protection properties) and provides exceptional long-term elastomer compatibility.
- **Long shelf life**  
When stored in the original packaging away from moisture and direct sunlight, this product should be suitable for use up to 3~5 years after the manufacturing date. Shake well before use.

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## SPECIFICATIONS and APPROVALS

**Meets or exceeds these requirements:**

ASTM D4985, ASTM D3306, JIS K2234, TMC RP 329, Ford WSS-M97B57-A1, Ford WSS-M97B57-A2, BS 6580, GB 29743, GM 1825M, 1899M, Ford ESE-M97B44A, Chrysler MS 7170, AS/NZS 2108

## TYPICAL PHYSICAL and CHEMICAL CHARACTERISTICS

PROPERTIES	ASTM TEST METHOD	TYPICAL VALUES FOR	
		Concentrate	50/50 Prediluted
Appearance/Color	Visual	Yellow	Yellow
pH, 50 vol%	D1287	7.6	7.6
Specific gravity	D1122	1.128	1.080
Freezing point, 50 vol%	D1177, D6660, 3321	-34°F (-37°C)	-34°F (-37°C)
Ash content, mass %	D1119	<5	<2.5
Chloride, ppm	D3634	<25	<25
Total water, mass %	D1123	<5	50

These characteristics are typical of current production.

FREEZE/BOIL PROTECTION CHART	Coolant/Water Ratio	PROTECTS FROM (typical values)	
		Freezing Down to	Boiling Up to*
	40/60	-13°F	260°F
50/50	-34°F	265°F	
60/40**	-62°F	269°F	

\* Using a 15 PSI Pressure Cap in Good Condition; \*\*-for concentrate product only; † - Proper maintenance requires a complete cooling system flush, fill and subsequent topping off as needed with the same product at 50/50 dilution or mixture of concentrate with high-quality water to achieve 50/50 coolant-water ratio.

## SHIPPING INFORMATION

Part #	Unit	Size	Dimensions (")	Unit weight (lbs.)	Units per Pallet	Pallets per Truck	Pallet weight (lbs.)
GC-C2N06-U-01-01	Case	6/1 gal	15.8L X 12.8W X 12.25H	60	36	20	2,210

## ADDITIONAL INFORMATION

For proper freezing and boiling protection, use a traditional refractometer or hydrometer with ethylene glycol scale. Product should be kept away from children and animals to prevent potential exposure. A bittering agent is added to help reduce the potential for accidental ingestions of this product. For more information see Safety Data Sheet for appropriate products. Always dispose of used coolant in accordance with local, state and federal guidelines.