



Genuine Chemistry

From the Manufacturer of OEM Fluids



North American Purple Super Extended Life Prediluted Antifreeze/ Coolant

TECHNICAL DATA SHEET

Ver. 23-01

DESCRIPTION and APPLICATIONS

GC NORTH AMERICAN PURPLE SUPER EXTENDED LIFE PREDILUTED ANTIFREEZE/COOLANT Prediluted 50/50 is an Organic Acid Technology (OAT) ethylene glycol-based coolant with an inhibitor package that uses (non 2-EH) organic acid technology. It does not contain any nitrites, amines, borates, phosphates or silicates. It is specifically designed to be used in any North American light/medium/heavy duty applications requiring **PURPLE** colored fluid to provide long-lasting, complete protection for all cooling system components.

It is recommended for use in any North American vehicle using a **PURPLE** OAT 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 2-EH) technology**
Works in all engine applications and, when used as directed¹, this product will provide long-lasting protection for modern engines.
- **Free from 2-EH acid, amines, phosphate, borate, nitrites, and silicates**
This formulation provides excellent heat transfer capabilities for high-temperature applications and stable/complete inhibitor package free of amines, silicate, phosphate, borate, nitrites, and 2-EH acid. Therefore, it is the recommended choice to meet the chemistry restrictions of engine and vehicle OEM's around the globe.
- **Outstanding corrosion protection**
Provides excellent corrosion protection as confirmed through numerous North American OEM tests and demonstrated in evaluations of the product under the requirements of ASTM D3306 and BS 6580 specifications. Eliminates the need for SCAs 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. This formula 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 unopened and under cover (in original packaging and away from moisture & direct sunlight), this product should be suitable for use up to 3-5 years after manufacturing date. Product must be shaken prior to use.

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SPECIFICATIONS and APPROVALS

Meets or exceeds these requirements:

- ASTM D3306
- ASTM D4985
- BS 6580
- SAE J814

TYPICAL PHYSICAL and CHEMICAL CHARACTERISTICS

PROPERTIES	ASTM TEST METHOD	TYPICAL VALUES FOR	
		ASTM D3306 Limits	50/50 Prediluted
Appearance/Color	Visual	Distinctive	Purple
pH, 50 vol. %	D1287	7.5-11.0	8.0
Specific Gravity, 50 vol. %	D1122	1.065 min	1.074
Freezing Point, 50 vol. %	D1177	-34°F (-36.4°C)	-34°F (-37°C)
Ash Content, mass %	D1119	2.5 max	< 2.5
Chloride, ppm	D3634	25 max	< 25
Total Water, mass %	D1123	Report	< 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*
	50/50	-34°F	265°F

* Using a 15 PSI Pressure Cap in Good Condition; † - Proper maintenance requires a complete cooling system flush and fill and subsequent topping off as needed with the same product at 50/50 dilution or mixture of concentrate with good 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-C2N05-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 ingestion of this product. For more information see Safety Data Sheet for appropriate products. Always dispose used coolant in accordance with local, state and federal guidelines.