



Genuine Chemistry
From the Manufacturer of OEM Fluids



GC[®] Universal Yellow Super Extended Life Prediluted Antifreeze/ Coolant

TECHNICAL DATA SHEET

Ver. 22-01

DESCRIPTION and APPLICATIONS

GC[®] UNIVERSAL YELLOW 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 inhibitors. It does not contain any nitrites, amines, borate, phosphate, or silicate. It is specifically designed to be used in any light/medium/heavy duty vehicle applications to provide long-lasting, complete protection for all cooling system components. Can be mixed with any color antifreeze/coolant in any vehicle/model on the road today.

It is recommended for use in any make or model vehicles using any antifreeze/coolant formulation, technology, or color with diesel, gasoline and natural gas engines. Designed for light/medium/heavy duty vehicle applications including industrial, farm, mining, construction and military equipment, as well as 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 any engine applications and, when used as directed, this product will provide long-lasting protection for modern engines.
- **Free from 2-EH acid, borate, phosphate, amines, nitrites, and silicates**
This formulation provides excellent heat transfer capabilities for high-temperature applications and stable/complete inhibitor package free of amines, phosphate, silicate, nitrites, borate or 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 independent testing and as demonstrated during the evaluation of the product under the requirements of ASTM D3306 and D4985 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 could improve water pump seal life; can be mixed with other coolants (and kept below 25% to maintain corrosion protection contamination levels with other coolants); 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 • BS 6580 • SAE J814
- ASTM D4985 • JIS K2234 • GB 29743

TYPICAL PHYSICAL and CHEMICAL CHARACTERISTICS

PROPERTIES	ASTM TEST METHOD	TYPICAL VALUES FOR	
		ASTM D3306 Limits	50/50 Prediluted
Appearance/Color	Visual	Distinctive	Yellow
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 max

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-C2U06-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.