



TOP 1 OIL PRODUCTS COMPANY

PRODUCT DATA SHEET

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EVOLUTION ANTIFREEZE/COOLANT

DESCRIPTION

EVOLUTION ANTIFREEZE/COOLANT is a fully formulated ethylene glycol based antifreeze/coolant that protects your vehicle in even the harshest conditions. Evolution works to protect your vehicle against freeze-up, boil-over, rust, and corrosion under extreme conditions. Specially formulated for extended life, TOP 1 Evolution delivers an expected service life of 1,600,000 kilometers or 20,000 hours.

Evolution Antifreeze/Coolant is Nitrite Free and formulated with Organic Acid Technology (OAT), an advanced extended life formula that makes this product compatible with all types of conventional and extended life antifreeze/coolants.

Evolution Antifreeze/Coolant protects your vehicle against freezing down to -54°C. The product also features a complete range of inhibitors that protect all cooling system metals. Also, TOP 1 Evolution will not result in damage to your auto's finish or rubber parts.

PERFORMANCE SPECIFICATIONS

EVOLUTION ANTIFREEZE/COOLANT meets the following industry specifications and OEM standards:

- ASTM D3306 (automotive/light-duty)
- ASTM D4985 (heavy-duty diesel/low silicate)
- ASTM D6210/11 (fully formulated and precharged)
- TMC of ATA RP329/338
- GM 6277M
- Ford ESE M97B44-A; WSE M97B44-B, D & E1/E2; WSS-M97B51-A1
- Chrysler MS9769
- MTU MTL 5048, MTL 5049
- Caterpillar EC-1; ELC (with the addition of molybdate per specification)
- Cummins CES14603 (as found in service bulletin 3666132-02)
- Detroit Diesel 7SE298
- DDC Powercool Plus; Powercool Plus 6000
- Navistar/International B-1, Type III (CEMS B-1), with the addition of molybdate

TYPICAL SPECS

	ASTM TEST	
Chloride	D3634	25 ppm, max.
Specific Gravity, 15.6/15.6 °C	D1122	1.110-1.125
Nitrite	D5827	2400 ppm min.
Boiling Point, undiluted	D1120	162°C min.
Boiling Point, 50% V/V	D1120	107°C min.
Freezing Point, 50% V/V	D1177	-36°C min.
Effect on engine or vehicle finish		No effect
Ash content, mass %	D1119	2.5 max.
pH, 50% V/V	D1287	9.5 – 10.5
Reserve alkalinity	D1121	6 min.
Water mass %	D1123	2.8 max.
Color		Red
Effect on nonmetals		No adverse effect
Stage stability		> 1 year
Foaming	D1881	150 mi vol., max. ; 5 sec. break, max.
Product Number:		
3 x 1 gallon		11006

VALUES SHOWN HERE ARE TYPICAL AND MAY VARY

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