

# PRODUCT DATA SHEET

## EVOLUTION ANTIFREEZE / COOLANT

### Description

TOP 1 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, Evolution delivers an expected service life of 500,000 kilometers or 7,000 hours, which can be extended to 1,000,000 kilometers and 14,000 hours with TOP 1 Performance Extender.

### MEETS OEM/INDUSTRY 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; WSSM97B51-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/Interational B-1, Type III (CEMS B-1), with the addition of molybdate

### Typical Characteristics

Name, units	Test Method	EVOLUTION ANTIFREEZE / COOLANT
pH, 50% V/V	ASTM D1287	9.5 – 10.5
Specific Gravity	ASTM D1122	1.110 – 1.125
Nitrite, ppm min.	ASTM D5827	2400
Boiling Point, undiluted, °C min.	ASTM D1120	162
Boiling Point, 50% V/V, °C min.	ASTM D1120	107
Freezing Point, 50% V/V, °C min.	ASTM D1177	-36-
Ash Content, mass% max	ASTM D1119	2.5
Chloride, ppm max.	ASTM D3634	25
Reserve Alkalinity, min.	ASTM D1121	6
Water mass, max.	ASTM 1123	2.8
Color	Visual	Red