



DATA SHEET

LIGHT-DUTY, EXTENDED-LIFE ANTIFREEZE

Ethylene Glycol
OAT Antifreeze

This antifreeze contains a pure organic acid technology (OAT) inhibitor system that's more durable than conventional additive systems, resulting in up to five-year/150,000-mile service life. The antifreeze is suitable for use in foreign and domestic passenger cars, vans, SUVs and light trucks requiring extended life antifreeze.

YEAR-ROUND PROTECTION

Free of borate, nitrate, nitrite, phosphates, or silicates, this antifreeze is compatible with all major brands of OAT, hybrid and conventional antifreezes without precipitation problems under typical top off quantities. However, mixing different coolant types should be avoided because it will shorten the life of the "mixed" coolant.

EXTENDED SERVICE LIFE

Additionally, this antifreeze contains inhibitors that protect all cooling system metals. Together with the glycol base, these inhibitors and other additives, give year-round protection against freeze-ups, boil-overs and engine cooling system corrosion.

BENEFITS

- Available in concentrate and premix 50/50
- All season formulation cools engine in summer, protects from freezing in winter
- Compatible with controlled atmospheric brazed radiators
- Compatible for use in all cars, light duty trucks, and motorcycles
- Yellow color is neutral and will not significantly alter the color of the coolant when used for top-off
- Meets the performance requirements of ASTM D3306, including:
 - ASTM D1384
 - ASTM D4340
 - ASTM D2570
 - ASTM D2809
- Low silicate formulation meets ASTM D4985

APPLICATIONS

Recommended for use in the following applications but not limited to:

- BMW
- Chrysler
- MS12106

- General Motors GM6277M
- Honda
- Hyundai
- Nissan
- VW TL774D
- Mazda
- Subaru
- Toyota/Lexus

Check the vehicle manufacturer's recommendations or the owner's manual when servicing the cooling system, including coolant selection, top off, and maintenance.

Light-Duty, Extended-Life Antifreeze Characteristics

Characteristic	Specification	Company Typical	ASTM Method
Chloride (ppm)	25 Maximum	<5	D3634
Specific gravity, 60°F	1.065 min	1.070	D1122
Effect on engine/vehicle finish	No effect	Pass	D1882
Boiling Point, 50% V/V	226°F/107°C min	230°F	D1120
Freezing Point, 50% V/V	-34°F/-36°C min	-34°F	D1177
Ash content, mass %	2.5 Maximum	<2.5	D1119
pH, 50% V/V	8.0-9.5	8.8	D1287
Reserve alkalinity, 50% V/V	None specified	1.5 min	D1121
Color		Golden Yellow	Visual
Foaming	150 mL max 5 seconds max	Pass	D1881

*Boiling point shown above and below is at atmospheric pressure. Add 40°F for 15 psi radiator cap. Reserve alkalinity (RA) is a value agreed between the customer and supplier.

% Antifreeze	Freezing Point		Boiling Point*	
	°F	°C	°F	°C
40%	-9 max	-22 max	220 min	104 min
50%	-34 max	-36 max	226 min	107 min
60%	-54 max	-65 max	230 min	110 min

*Boiling point shown at atmospheric pressure. Add 40°F for 15 psi radiator cap.

Check the vehicle manufacturer's recommendations or the owner's manual when servicing the cooling system, including coolant selection, top off, and maintenance.