



**PERFORMANCE PLUS ANTIFREEZE/COOLANTS**  
PERFORMANCE UNDER THE MOST EXTREME CONDITIONS



AUTOMOTIVE ENGINE | AUTOMOTIVE DRIVELINE | HEAVY DUTY ENGINE | HEAVY DUTY DRIVELINE | HYDRAULIC | GEAR OILS | GREASES | INDUSTRIAL LUBRICANTS | COOLANTS

**LD EXTENDED LIFE OAT (Orange)**  
**50/50 PRE-DILUTED ANTIFREEZE/COOLANT**

**Performance Plus® LD Extend Life OAT (Orange)** antifreeze/coolant is formulated for use in domestic and foreign passenger cars and light-duty trucks requiring an OAT (organic acid technology) type coolant. Perfect as a universal top-off and service coolant in all GM Vehicles 1995 (and newer), Ford vehicles 2011 (and newer), and Chrysler vehicles 2013 (and newer). Superior Corrosion Protection. Does not contain Nitrite, Amine, Phosphate, or Silicate (NAPS-Free), has Multi-metal corrosion inhibitors and Multiple scale inhibitors/dispersants. This additive package contains extended service corrosion inhibitors based on organic acids and provides maximum protection against damaging rust and corrosion in engine cooling systems .

PERFORMANCE PLUS PROPERTIES	
Relative Density 60°F (15.5°C)	1.065 to 1.095
Freeze Point, °F (°C)	-34 (-37) max
Boiling Point, °F (°C)	226.4 F/ 108 C
Ash Content, mass %	< 2.5
pH	8.2 to 8.8
Chloride, ppm	< 25
Effect on Automotive Finish	No Effect
Service Interval: Heavy Duty Trucks	5 yrs. / 150,000 miles (240K km)
Color	Orange
Bittering Agent, ppm	30 to 50

**Approvals and Specifications**

Performance Plus LD Extended Life OAT (Orange) meets the physical, chemical, and performance requirements of ASTM D3306.

LD Extended Life OAT (Orange) is suitable for European, Asian, and American automobiles which require an OAT Coolant (where applicable)\*.

Ford	Chevrolet
General Motors	Cadillac
Chrysler	GMC
Dodge	Buick
Jeep	Fiat
Kia	Lincoln
Hyundai	Mazda
Toyota	Honda
Lexus	Acura
Nissan	Volvo
Infiniti	Subaru
Mitsubishi	Land Rover
Audi	Mercedes-Benz
Volkswagen	BMW
Jaguar	Mini

**Ready to use product: Do not add water.**

Note: Values shown above are representative of current production and may vary within modest ranges

\*Information regarding recommended maintenance and equipment operating conditions can be found by referencing Original Equipment Manufacturer's (OEM) coolant recommendations.

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**Features and Benefits:** Performance Plus Coolants deliver the protection and performance demanded by today's passenger cars and light duty trucks. Tested, proven, and trusted quality are why those demanding the best, turn to Performance Plus. Additionally, Performance Plus LD Extended Life NAPS Free OAT Coolant offers the following benefits:

Suitable for various applications  
Formulated to be versatile  
Heat transfer and anti-scaling properties  
Superior properties  
Multi-alloy protection formulation

Universal top-off and service coolant for domestic and foreign vehicles  
Compatible with controlled atmosphere brazed (CAB) aluminum radiators  
Preventing hard water mineral build-up  
Free of nitrite, amine, phosphate, silicate, and 2-ethylhexanoic acid (2-EH)  
Protecting against corrosion of aluminum, brass, cast iron, copper, solder, and steel

**Proven and Trusted:** The foundation of all Performance Plus products is the tested, proven and trusted quality. This focus on quality is why hundreds of thousands of vehicle and stationary engine owners/operators across North America trust Performance Plus to protect their engine cooling systems.

PERFORMANCE PLUS PROPERTIES	SPECIFICATIONS	PERFORMANCE
<b>ASTM D1384 Corrosion in Glassware: Weight Loss (mg/specimen)</b>		
Copper   Brass   Steel   Cast Iron	10 max (EA)	Pass
Solder   Aluminum	30 max (EA)	Pass
<b>ASTM D2570 Simulated Service Test: Weight Loss (mg/specimen)</b>		
Copper   Brass   Steel   Cast Iron	20 max (EA)	Pass
Solder   Aluminum	60 max (EA)	Pass
<b>ASTM D4340 Corrosion of Cast Aluminum Alloys at Heat Rejecting Surfaces</b>		
mg/cm <sup>2</sup> /week	1.0 max	Pass
<b>ASTM D1881 Foaming</b>		
Volume, mL	150 max	Pass
Break Time, seconds	5 max	Pass
<b>ASTM D2809 Cavitation Corrosion of Aluminum Pumps - Rating</b>		
	8 min	Pass

**Health and Safety:** Information detailing health and safety associated with using the product can be found in the corresponding Safety Data Sheet (SDS) on the Performance Plus website. Ethylene glycol-based antifreeze is toxic and must not be used to winterize potable water systems.

**Storage:** Product is stable for at least 5 years when stored in original container at ambient temperature. Agitate before use.

**Disposal:** All efforts should be made to protect the environment. Waste antifreeze should never be disposed of by dumping onto the ground, or into a septic system or storm sewer. Should you need any assistance with disposal, please contact your sales representative for information on Safety-Kleen's waste antifreeze collection services.

For additional questions, please contact your Performance Plus® Products Sales Representative.

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