



Product Bulletin

GULF SUPER RED HEAVY DUTY EXTENDED LIFE COOLANT (ELC) & ANTIFREEZE 50/50 PREMIXED

Gulf Super Red Heavy Duty Extended Life Coolant & Antifreeze 50/50 Premixed is a heavy duty engine coolant that contains premium virgin ethylene glycol along with unique long life *Organic Acid Technology (OAT)* corrosion defense system combined with nitrite and molybdate based anti-corrosion additives designed to provide ultimate cooling system protection. Formulated for use in heavy duty diesel applications where extended service interval and aluminum compatibility is required and recommended for use in over the-road and off-highway diesel engines, farm and marine engine applications.

FORMULATION FEATURES & BENEFITS:

Extended Service Life: Provides up to 750,000 miles, 15,000 hours or 8 years under normal operating conditions provided the coolant is kept in good condition with nitrite levels in line with the engine's OEM's requirements. Silicate-free provides for no possibility of silicate drop-out or gel formation.

Wide Application: Ideally suited for heavy duty diesel applications where extended service interval & aluminum compatibility is required of a nitrite based, silicate free coolant, including on-road truck, off road, farm and marine engine applications. CAT EC-1 compatible, it provides excellent heat transfer capabilities.

Proven Protection: Protects all coolant system metals against rust & corrosion, offering excellent aluminum & wet sleeve liner cavitation protection even at high temperatures. Being 2-EHA free, it is compatible with all system elastomeric materials ensuring optimal system performance.

Field Compatibility: Compatible with, but does not necessarily need or require the addition of SCA or Coolant Extenders, its compatibility extends to use with other similarly formulated engine antifreeze/ coolants and generally can tolerate hard water.

Corrosion Defense: Our proprietary OAT corrosion inhibitor system is engineered for new cooling systems, offering protection against corrosion and deterioration, providing excellent high temperature aluminum and liner cavitation protection. This level of protection affords a lower overall operating costs compared to other coolants. **Gulf Super Red HD ELC Coolant** is Nitrite & Molybdate rich as well as being 2-EHA, Silicate, Borate, Amine & Phosphate free.

All Climate Performance: Provides protection against low temperature freeze-up or high temperature boil-over and suitable for all season use throughout winter and summer. When used as 50% diluted with high quality water, provides freeze protection down to -34°F and boil-over protection up to +269°F (with the use of a 15 psi pressure cap).

AVAILABILITY:

Gulf Super Red Heavy Duty Extended Life Coolant (ELC) & Antifreeze 50/50 Premixed (Product ID #841119) is available throughout Gulf Lubricants' marketing area. Your sales representative can provide specific information. Need additional information? Please visit www.gulflubricants.net

03/19

NU-TIER BRANDS, INC.

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Product Bulletin

Gulf Super Red Heavy Duty Extended Life Coolant guards coolant system metals against rust and corrosion and provides excellent aluminum and wet sleeve liner cavitation protection. Formulated for use in heavy duty diesel applications where extended service interval and aluminum compatibility is required and recommended for use in on-road trucks, off-road equipment, farm and marine engine applications including, but not limited to, Caterpillar, Cummins, Detroit Diesel/MTU, GM Heavy Truck, Freightliner, PACCAR and Volvo Mack.

Approvals & Specifications

Meets or exceeds performance requirements of:	Recommended and suitable for use with:
<ul style="list-style-type: none"> • ASTM D3306, D6210, D7583, D7820 • AS/NZS 2108.2004 Type A • Cummins 3666132 • DDC 7SE 298 • GB 29743-2013 • TMC RP329B, TMC RP338 	<ul style="list-style-type: none"> <li style="width: 33%;">• CAT EC-1 <li style="width: 33%;">• MAN 324 <li style="width: 33%;">• PACCAR CS0185 <li style="width: 33%;">• Cummins 14603 <li style="width: 33%;">• MB DBL 7700 <li style="width: 33%;">• Peterbilt 8502.002 <li style="width: 33%;">• Freightliner 48-22880 <li style="width: 33%;">• MTU 5048 <li style="width: 33%;">• Scania TB1451 <li style="width: 33%;">• GM Heavy Truck <li style="width: 33%;">• Kenworth RO26-170-97 <li style="width: 33%;">• Volvo Heavy Truck <li style="width: 33%;">• International Truck and Engine / Navistar CEMS B-1 <li style="width: 33%;">• Mack 014 GS17009

Typical Physical and Chemical Characteristics - 50/50 PREMIX – Product ID #841119

Properties	Typical Specifications	ASTM Test Method
Appearance	Clear and transparent	
Specific Gravity	1.120 -1.140	D-1122
Foam Test, ml / sec. to break foam	<50 / 5 max.	D-1881
pH, diluted 50/50	7.8-8.5	D-1287
Reserve Alkalinity, ml	3.0 min.	D-1121
Color	Red	-
Bittering Agent	Yes	
Antifreeze / Water %,50/50 Freeze Point	-34°F (-37°C)	D-1177
Chloride, ppm	< 25	D-3634
Silicon	< 10	D-6130
Phosphate	< 10	D-5827
Nitrite	< 780 min.	D-5827
Shelf Life, (Unopened, original container)	5 Years	

These characteristics are typical of current production. While future production will conform to Gulf's specification, variations in these characteristics may occur.

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