



HEAVY DUTY ELC NF

NITRITE-FREE EXTENDED LIFE COOLANT COOLANT / ANTIFREEZE

DESCRIPTION:

PEAK® Commercial & Industrial Heavy Duty ELC NF Extended Life Nitrite-Free Coolant/Antifreeze has been developed to meet the changing requirements of Domestic, European and Asian OEM's.

Because nitrite from OAT HD formulations can cause aluminum corrosion in the presence of brazing residues, the latest Detroit Diesel and Mercedes-Benz (MB) engines and vehicles are currently factory-filled with nitrite-free (NF) extended life technology.

The nitrite-free formulation is based on proven carboxylate organic acid technology (OAT), and is designed for use in all diesel, gasoline and natural gas engines from light, medium, to heavy duty on-highway applications. The nitrite-free inhibitor system provides complete CAB brazed aluminum, corrosion and erosion protection while maintaining optimum heat transfer conditions for total HD engine system performance.

BENEFITS:

PEAK Commercial & Industrial Heavy Duty ELC NF Coolant/Antifreeze is a glycol-based, nitrate, borate, phosphate, silicate, and amine-free formulation, and if used as directed, will deliver these benefits:

- Excellent heat transfer due to OAT technology compared to conventional silicate containing coolants.
- Year-around protection against freeze-up and boilover
- Improved water pump seal life due to silicate-free environment, as well as protection against cavitation erosion, and corrosion wear
- Complete corrosion protection for all engine and cooling system metals including aluminum, brass, copper, solder, steel and cast iron
- Extended service life of up to 600,000 miles/12,000 hours or 6 years in heavy duty applications under normal operating conditions, without the use of extenders or SCAs; up to 150,000 miles or 5 years of service in light and medium duty applications*
- Compatibility with other conventional and extended life antifreeze/coolants**

APPLICATIONS:

PEAK Commercial & Industrial Heavy Duty ELC NF Coolant/Antifreeze is designed and recommended for use in:

- On-highway heavy duty vehicles and commercial/stationary engines operated on diesel, gasoline, natural gas, propane, LPG, biofuels, or methane waste gas, where the OEM recommends a nitrite, silicate and phosphate-free coolant with no addition of extenders or SCAs
- Mixed fleets where automobiles, light, medium, and on-highway heavy duty vehicles are being used and serviced, and the OEM recommends a nitrite, silicate, phosphate, borate, and/or amine-free product
- European equipment where the OEM requires a phosphate, amine, and nitrite-free coolant
- Japanese equipment where the OEM specifies silicate and nitrite-free products
- Recreational vehicles requiring nitrite and silicate-free products



Meets these specifications:

- ASTM D3306
- ASTM D6210
- ASTM D4985
- TMC RP 329
- TMC RP 364

Suitable for use against these specifications and equipment:

- Cummins CES 14439 - for medium and heavy duty on-road engine applications
- DAF 74002
- Detroit Fluids Specification 93K217
- Ford WSS-M97B44-D
- Freightliner 48-25878
- GM 6277M
- PACCAR
- MAN 324 Type SNF
- Mercedes DBL 7700/325.3
- MTU MTL 5048
- Navistar MPAPS B-1
- Volvo TSI 184-001

Recommended for use in:

- Deutz Stationary Diesel Engines
- GE-Jenbacher Stationary Natural Gas Engines
- Hino Truck Engines
- Isuzu Truck Diesel Engines
- Kobelco On-Highway Diesel Engines
- Komatsu On-Highway Diesel Engines
- Scania Truck Diesel Engines
- Volvo On-Highway Diesel Engines
- Mack Truck Diesel Engines
- Wartsila Stationary Diesel Engines
- European medium and heavy duty OEM's that require phosphate and nitrite-free engine coolant formulations
- Asian medium and heavy duty OEM's that require silicate and nitrite-free engine coolant formulations

*With regular inspection and adjustment of coolant condition as needed and level as recommended by the vehicle manufacturer

**Dilution/mixing with non-equivalent coolants will reduce or eliminate the extended life nitrite-free properties. PEAK recommends that this product not be diluted by more than 25% with other coolant formulations (like conventional "green" or HD SCA pre-charged type)



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ELC NF

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PROPERTIES:

PROPERTIES:	METHOD	TYPICAL VALUES
Appearance, Color	Visual	Red
Freezing Point, °F/°C	ASTM D1177, D6660, D3321	-
40% (2 parts of antifreeze/3 parts of water)	ASTM D6660	-12/-24
50% (1 part of antifreeze/1 part of water)	ASTM D3321	-34/-37
60% (3 parts of antifreeze/2 parts of water)	-	-62/-52
Boiling Point, °F/°C	ASTM D 1120	-
50% (1 part of antifreeze/1 part of water)	-	+265/+129*
Reserve Alkalinity, ml	ASTM D 1121	3 minimum
Silicate, Phosphate, Nitrite, ppm	ICP	None
pH, 50% (1 part of antifreeze/1 part of water)	ASTM D 1287	8 minimum
Shelf Life (unused, stored in unopen original container)	-	7 years

*These characteristics are typical of current production. Minor variations in future production are to be expected and may occur.

ADDITIONAL INFORMATION:

Testing Requirements: For proper freeze and boilover protection, use a traditional refractometer or test strips to measure the percentage of ethylene glycol by volume.

Storage Recommendations: PEAK Commercial & Industrial ELC NF can be stored in original container at ambient temperature and limited periods of exposure to temperatures above 35°C, for 7 years, provided the container remains sealed. Product should be agitated before dilution or use.

Safety and Environmental Guidance: PEAK Commercial & Industrial ELC NF is based on virgin ethylene glycol and should be kept from children and animals to prevent exposure. A bittering agent is added to help reduce the potential for accidental ingestions of this product. More information with guidance on health, safety and disposal is available on the appropriate Safety Data Sheet, which can be obtained from your DWI representative, or by visiting www.peakhd.com. Always dispose of used coolant in accordance with local, state and Federal guidelines.

SHIPPING INFORMATION:

Part # (FS)	UNIT	Pack/Size	Case/Drum Dimensions	Unit Wt (lbs)	Units per Pallet	Pallets per Truck	Pallet Weight
ELAXB3	Case	6/1 gal	16"L x 12.5"W x 12.25"H	60 lbs.	36	20	2,210
ELAXB1	Drum	55 gal	23.5"D x 34.5"H	512 lbs.	4	20	2,098
ELAXB8	Tote	275 gal	40"W x 48"D x 46"H	2,635 lbs.	1	60 (30 double-stacked)	7,500
ELAXB0	Bulk	-	-	-	-	-	-
Part # (50/50)							
ELABX3	Case	6/1 gal	16"L x 12.5"W x 12.25"H	60 lbs.	36	20	2,210
ELABX1	Drum	55 gal	23.5"D x 34.5"H	512 lbs.	4	20	2,098
ELABX8	Tote	275 gal	40"W x 48"D x 46"H	2,635 lbs.	1	60 (30 double-stacked)	2,685
ELABX0	Bulk	-	-	-	-	-	-

*Using a 15 psi pressure cap in good condition.

**Includes Pallet Wt.: 20 @ 50 lbs. ea. = 1,000 lbs.

Product Liability Information/Material Safety Data available upon request.



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