

# SPX NITRITE FREE ELC 50/50

HEAVY DUTY ETHYLENE GLYCOL BASED OAT (ORGANIC ADDITIVE TECHNOLOGY)  
EXTENDED LIFE COOLANT

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SPX Nitrite Free ELC 50/50 is a heavy duty ethylene glycol based OAT containing an organic acid technology inhibitor. SPX Nitrite Free ELC 50/50 is free of nitrites, amines, silicates, and phosphates. This product does not require supplemental coolant additive (SCA) for heavy-duty fleet maintenance programs, but still provides wet sleeve cylinder liner cavitation protection. SPX Nitrite Free ELC 50/50 is recommended for use in on-road, off-road, and stationary engine applications. This product can also be used in mixed fleet applications where heavy duty and light duty trucks are present. Routine visual inspections, coolant top-off and annual laboratory testing are recommended to ensure maximum service life.

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## Advantages

- Eliminates the cost of using SCAs (supplemental coolant additives)
  - Service life of 300,000 miles for on-road use
  - Effective, long term corrosion protection, even at elevated temperatures, of common cooling system metals
  - Compatible with other coolant formulations and supplemental coolant additives; recommend not diluting by more than 25% to maintain extended life performance
  - Storage stable for a minimum of 8 years provided the integrity of the container is maintained
  - Can be used in engines using variable fuel types and variable emission control types; check with OEM for specific application requirements
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## Applications

- Heavy duty engines regardless of fuel type or environmental controls being used where the OEM recommends a silicate free, extended life coolant that is nitrite free<sup>1</sup>
- Mixed fleets where both heavy duty and light duty trucks are present
- On-road, off-road, or stationary engines

<sup>1</sup>Some OEMs recommend the use of nitrite containing coolants. Check with your OEM.

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## Specifications

SPX Nitrite Free ELC 50/50 meets the following industry specifications:

- ASTM D6210 (fully formulated and precharged for heavy-duty)
  - ASTM D3306 (automotive/light-duty)
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Heavy Duty



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Page: 1 of 2

Date: 10.20.20

# SPX NITRITE FREE ELC 50/50

## TYPICAL PROPERTIES

Appearance	Yellow
Specific Gravity @ 60°F, ASTM D1122	1.080
Density, lbs/gal @ 60°F	8.88 min
Freezing Point, °F/°C <sup>a</sup> , ASTM D1177	-39/-39
Boiling Protection, °F/°C (using a 15lb pressure cap)	227/108
Reserve alkalinity <sup>c</sup> , mL, ASTM D1121	6.8
pH <sup>b</sup> , ASTM D1287	8.5
Ash content, mass %, ASTM D1119	0.7
Foaming, ASTM D1881 150 ml vol., max. 5 sec. break, max.	Pass
Glassware Corrosion, ASTM D1384	Pass
Water Pump Cavitation, ASTM D2809	Pass
Aluminum Corrosion, ASTM D4340	Pass
Simulated Service, ASTM D2570	Pass
Silicate, % <sup>d</sup>	None

<sup>a</sup> 50 vol% aqueous solution

<sup>b</sup> 1:2 dilution with water

<sup>c</sup> as received

<sup>d</sup> as anhydrous alkali metasilicate

#### Note:

- Product concentrates should be agitated before use
- Always dispose of used coolant in accordance with local, state, and federal guidelines

Minor variations in typical properties data are to be expected in normal manufacturing.

### Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet (SDS).

Heavy Duty

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Page: 2 of 2

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