

Heavy Duty Coolant

Technical Data



Features & Benefits

- Ready to Use - No Water Required
- No Silicates, No Phosphates
- Requires No Supplemental Coolant Additive (SCA)
- Universal Formula: Heavy Duty and Industrial Applications
- Excellent Liner Pitting Protection

Application Notes

To ensure success using Evans Heavy Duty Coolant, follow the installation procedure which can be found at www.evanscooling.com, or by scanning the QR code below.

Evans recommends that Prep Fluid be used to purge the system after draining out the old coolant. There is no need to add supplemental coolant additive (SCA), or pre-charge filter. If the engine is equipped with a chemical-release filter, it should be replaced with a non chemical (blank) filter. Avoid any additions of water.

General Description

Appearance	Clear, Orange
Odor	Mild, Characteristic
Pack/Unit	Bulk/Drums/Totes/Gallons

Handling

This coolant will readily absorb moisture from the air. Keep container tightly closed. Quickly clean up small spills as product is slippery, and may be harmful to children and pets. Collect large spills into drums for proper disposal or recycling in accordance with federal, state or local regulations.

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Properties Typical Values ASTM Tests

Specific Gravity @ 20/20°C (68/68°F)	1.117	D1122
Density, lbs/gal @ 68°F Kg /L @ 20°C	9.25-9.35 1.110-1.120	Calculated
Boiling Point, Reflux	191°C (375°F)	D1120
Flash Point, CC	120°C (248°F)	D93
pH, 50 vol% in DI Water	8.5	D1287
Thermal Conductivity @ 90°C (194°F)	0.270 W/m·K	D7896
Specific Heat @ 90°C (190°F)	2633 J/Kg·K	E1269
Total Water, mass%	0.5	E203, D6304
Viscosity @ -40°C (-40°F)	2000 mPa·s	D2983

Performance Specifications & Tests

Performance specifications and test methods for waterless coolants used in light and heavy duty vehicle applications are under development within ASTM D15. The following tests will be included in specifications for waterless engine coolants:

<u>PROPERTY</u>	<u>ASTM TEST</u>
Relative Density @ 15.5°C/15.5°F	D3306, D5931
Viscosity @ -40°C	D1384
Boiling Point, Undiluted	D1120
Thermal Conductivity @ 90°C	D7896
Flash Point, Closed Cup	D93
Ash Content, mass %	D1119
pH, 50 vol % in de-ionized water	D1287
Chloride	E3634, D5827
Water, Mass %	E203, D6304
Reserve Alkalinity	D1121
Effect on Automotive Paint Finish	D1882
Foaming	D7840
Corrosion in Glassware	D7935/D7935M
Corrosion of Cast Aluminum Alloys at Heat-Rejecting Surfaces	D7934/D7934M
Simulated Service Test	Modified D2570