DefendAL® Global Automotive Extended Life Antifreeze/Coolant is a premium quality, virgin ethylene glycol-based, organic acid technology (OAT) fluid. It is specially formulated with industry-leading additives to provide optimum performance in all makes and all models of cars and light duty trucks.

- Designed for automotive use in model years 1995 and newer
- Provides up to 5 years or 150,000 miles of protection
- Compatible with other organic acid technology (OAT) coolants, regardless of color
- Meets or exceeds ASTM D3306 and SAE J1034 specifications, additional specifications on the back

**Available in:**

- **Concentrate**
  - Bulk #10189
  - Totes #10186
  - Drums #10190
  - Cases #11153

- **50/50 Premix**
  - Bulk #10195
  - Totes #10193
  - Drums #10198
  - Cases #11154

DefendAL® Global Automotive Extended Life Antifreeze/Coolant is your cooling system’s best defense.

- Premium quality, extended life coolant made from virgin ethylene glycol
- User-friendly color does not change the color of the coolant already in the reservoir
- Provides freeze and boil-over protection
- Free of phosphates, borates, nitrites, silicates, and amines
- Protects against corrosion of all cooling system metals, including aluminum
- High-quality defoamer system, non-harmful to hoses, plastics or gaskets
- Not recommended for use in heavy duty applications

Consult your vehicle’s owner’s manual for recommendations.
DefendAL® Global Automotive Extended Life Antifreeze/Coolant

Technical Information

<table>
<thead>
<tr>
<th></th>
<th>Concentrate</th>
<th>50/50</th>
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</thead>
<tbody>
<tr>
<td>Fluid Color</td>
<td>Yellow</td>
<td>Yellow</td>
</tr>
<tr>
<td>Density @ 68°F, lb/gal</td>
<td>9.3</td>
<td>8.9</td>
</tr>
<tr>
<td>pH (50v% solution)</td>
<td>8.1</td>
<td>8.1</td>
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<tr>
<td>Coolant Lifetime, miles (hours)</td>
<td>150,000 (5,000)</td>
<td>150,000 (5,000)</td>
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</table>

![FREEZE/BOIL PROTECTION CHART](chart)

- 40% Cooling System Capacity
- Freezing Down To: -13°F
- Boiling Up To: +260°F
- 50% Cooling System Capacity
- Freezing Down To: -34°F
- Boiling Up To: +265°F
- 60% Cooling System Capacity
- Freezing Down To: -62°F
- Boiling Up To: +270°F

Shipping Information

<table>
<thead>
<tr>
<th></th>
<th>Cases</th>
<th>Steel Drums</th>
<th>Totes</th>
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<tbody>
<tr>
<td>Package Quantity</td>
<td>3 x 1 Gallons</td>
<td>55 Gallons</td>
<td>275 Gallons</td>
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<tr>
<td>Package Dimensions</td>
<td>12.75” x 7.8” x 12”</td>
<td>23.5” x 34.5”</td>
<td>40” x 48” x 46”</td>
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<tr>
<td>Gross Container Weight - Concentrate</td>
<td>≈29.5 Pounds</td>
<td>≈547 Pounds</td>
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<tr>
<td>Gross Container Weight - 50/50</td>
<td>≈28.4 Pounds</td>
<td>≈527 Pounds</td>
<td>≈2588 Pounds</td>
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<td>Gross Weight on Pallet - Concentrate</td>
<td>≈2186 Pounds</td>
<td>≈2251 Pounds</td>
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<td>Gross Weight on Pallet - 50/50</td>
<td>≈2106 Pounds</td>
<td>≈2169 Pounds</td>
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<td>Quantity Per Pallet</td>
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<td>Pallet Dimensions</td>
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<td>Product Part Number - Concentrate</td>
<td>11153</td>
<td>10190</td>
<td>10186</td>
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<tr>
<td>Product Part Number - 50/50</td>
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<td>10198</td>
<td>10193</td>
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<td>652138902093</td>
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<tr>
<td>Weight Per Gallon - 50/50</td>
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<td>≈8.9 Pounds</td>
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WARNING: REPRODUCTIVE HARM - WWW.P65WARNINGS.CA.GOV.

DefendAL® Global Automotive Extended Life

Recommended for use in:

- ASTM D3306
- ASTM D4985*
- Chrysler MS-12106
- Chrysler MS-90032
- SAE J1034
- VW TL774-C/F
- Ford WSS-M97B44-D/D2
- Ford WSS-M97B44-E1/E2
- Ford WSS-M97B51-A1
- Ford WSS-M97B55-A
- GM 6277M (DEX-COOL®)
- GMW 3420
- John Deere JDM H24C1, C2
- John Deere JDS-G135 LD

*Meets performance requirements - chemical requirements not applicable to OAT coolants. Always consult your vehicle’s owner’s manual for proper fluid removal and flushing procedures. **DEX-COOL is a registered trademark of the General Motors Corporation®.

KOST® USA, Inc. is the Largest Family-Owned Manufacturer, Supplier and Marketer of Antifreeze, Glycols, and Functional Fluids in the United States. Founded in 1985, we are Headquartered in Cincinnati, OH. We Proudly Build our Customers Private Label Brands and our Oil & Gas brands through High-Performance Products and Superior Service, Primarily in the Automotive & Heavy Duty Aftermarket, as well as in the Oil & Gas Sector.