DefendAL® Antifreeze/Coolant for vehicles requiring DEX-COOL®* is a premium Organic Acid Technology (OAT), virgin ethylene glycol-based fluid. Specially formulated with industry-leading additives, this product provides optimum performance in vehicles requiring DEX-COOL®* (GM 6277M or GMW 3420) coolant.

- Provides up to 5 years or 150,000 miles of protection
- Full Organic Acid Technology (OAT)
- Helps prevent freeze-ups and boil-overs
- Meets or exceeds ASTM D3306 and SAE J1043 specifications, additional specifications on the back

For Vehicles Requiring Dex-Cool® Antifreeze/Coolant

DefendAL® Antifreeze/Coolant for vehicles requiring DEX-COOL®* is a premium Organic Acid Technology (OAT), virgin ethylene glycol-based fluid. Specially formulated with industry-leading additives, this product provides optimum performance in vehicles requiring DEX-COOL®* (GM 6277M or GMW 3420) coolant.

- Premium quality, extended life coolant
- Free of phosphates, borates, nitrites, silicates, and amines
- Protects against corrosion of all cooling system metals, including aluminum
- Provides freeze and boil-over protection
- High-quality defoamer system, non-harmful to hoses, plastics or gaskets
- Formulated for use in newer Chrysler® (2013 and later), Ford® (2011 and later), and GM® (1995 and later) vehicles requiring an orange OAT coolant
- Compatible with major American brands of extended life Organic Acid Technology type antifreeze/coolant formulated to meet the DEX-COOL®* requirement (GM 6277M or GMW 3420)

*DEX-COOL® is a registered trademark of the General Motors Corporation®. Consult your vehicle’s owner’s manual for recommendations. Chrysler®, Ford®, and GM® are registered trademarks of their respective corporations.

Available in:

- Concentrate
  - Bulk #10268
  - Totes #10267
  - Drums #10269
  - Cases #11147
- 50/50 Premix
  - Bulk #10273
  - Totes #10272
  - Drums #10274
  - Cases #11152
DefendAL® For Vehicles Requiring Dex-Cool® Antifreeze/Coolant

Technical Information

<table>
<thead>
<tr>
<th></th>
<th>Concentrate</th>
<th>50/50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluid Color</td>
<td>Orange</td>
<td>Orange</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>
</tr>
<tr>
<td>Coolant Lifetime, miles (hours)</td>
<td>150,000 (5,000)</td>
<td>150,000 (5,000)</td>
</tr>
</tbody>
</table>

FREEZE/BOIL PROTECTION CHART

<table>
<thead>
<tr>
<th>% Cooling System Capacity</th>
<th>Protection From Freezing Down To</th>
<th>Boiling Up To</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>-13° F</td>
<td>+260° F</td>
</tr>
<tr>
<td>50</td>
<td>-34° F</td>
<td>+265° F</td>
</tr>
<tr>
<td>60</td>
<td>-62° F</td>
<td>+270° F</td>
</tr>
</tbody>
</table>

Shipping Information

<table>
<thead>
<tr>
<th></th>
<th>Cases</th>
<th>Steel Drums</th>
<th>Totes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Package Quantity</td>
<td>3 x 1 Gallons</td>
<td>55 Gallons</td>
<td>275 Gallons</td>
</tr>
<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>
</tr>
<tr>
<td>Gross Container Weight - Concentrate</td>
<td>29.5 Pounds</td>
<td>547 Pounds</td>
<td>2692 Pounds</td>
</tr>
<tr>
<td>Gross Container Weight - 50/50</td>
<td>28.4 Pounds</td>
<td>527 Pounds</td>
<td>2588 Pounds</td>
</tr>
<tr>
<td>Gross Weight on Pallet - Concentrate</td>
<td>2186 Pounds</td>
<td>2251 Pounds</td>
<td>N/A</td>
</tr>
<tr>
<td>Gross Weight on Pallet - 50/50</td>
<td>2106 Pounds</td>
<td>2169 Pounds</td>
<td>N/A</td>
</tr>
<tr>
<td>Quantity Per Pallet</td>
<td>72</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>Pallet Dimensions</td>
<td>40” x 48” x 54.5”</td>
<td>48” x 48” x 39.4”</td>
<td>40” x 48” x 46”</td>
</tr>
<tr>
<td>Product Part Number - Concentrate</td>
<td>11147</td>
<td>10269</td>
<td>10267</td>
</tr>
<tr>
<td>Product Part Number - 50/50</td>
<td>11152</td>
<td>10274</td>
<td>10272</td>
</tr>
<tr>
<td>UPC Code - Concentrate</td>
<td>652138903496</td>
<td>652138102691</td>
<td>652138102677</td>
</tr>
<tr>
<td>UPC Code - 50/50</td>
<td>652138903595</td>
<td>652138102745</td>
<td>652138101786</td>
</tr>
<tr>
<td>UPC Case Code - Concentrate</td>
<td>652138101083</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>UPC Case Code - 50/50</td>
<td>652138101090</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Weight Per Gallon - Concentrate</td>
<td>9.3 Pounds</td>
<td>9.3 Pounds</td>
<td>9.3 Pounds</td>
</tr>
<tr>
<td>Weight Per Gallon - 50/50</td>
<td>8.9 Pounds</td>
<td>8.9 Pounds</td>
<td>8.9 Pounds</td>
</tr>
</tbody>
</table>

WARNING: REPRODUCTIVE HARM - WWW.P65WARNINGS.CA.GOV.

DefendAL® For Vehicles Requiring Dex-Cool®

Recommended for use in:

- ASTM D3306
- ASTM D4985*
- Chrysler MS-12106
- Chrysler MS-90032
- GM 6277M (DEX-COOL®)**
- SAE J1034
- VW TL774-C/F
- Ford WSS-M97B44-D/D2
- Ford WSS-M97B44-E1/E2
- Ford WSS-M97B51-A1
- Ford WSS-M97B55-A
- John Deere JDM H24C
- John Deere JDS-G135
- John Deere JDS-G135

*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®. Chrysler®, Ford®, GM®, John Deere®, and Volkswagen® are registered trademarks of their respective corporations.

KOST USA, Inc. recommends to always properly dispose of spent coolant. Contact your state or local municipality for instructions on proper disposal to protect our environment. If a coolant spill occurs, call local authorities and ask for proper instruction on how to clean up the spill.

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.

©2020 KOST® USA, Inc., All rights reserved  DefendAL Global Automotive Extended Life 022520

ANTI-CONSUMPTION ADDITIVE

KOST USA, Inc. recommends to always properly dispose of spent coolant. Contact your state or local municipality for instructions on proper disposal to protect our environment. If a coolant spill occurs, call local authorities and ask for proper instruction on how to clean up the spill.

ASTM D3306
ASTM D4985*
Chrysler MS-12106
Chrysler MS-90032
Ford WSS-M97B44-D/D2
Ford WSS-M97B44-E1/E2
Ford WSS-M97B51-A1
Ford WSS-M97B55-A
John Deere JDM H24C
John Deere JDS-G135

Recommended for use in:

- ASTM D3306
- ASTM D4985*
- Chrysler MS-12106
- Chrysler MS-90032
- GM 6277M (DEX-COOL®)**
- SAE J1034
- VW TL774-C/F
- Ford WSS-M97B44-D/D2
- Ford WSS-M97B44-E1/E2
- Ford WSS-M97B51-A1
- Ford WSS-M97B55-A
- John Deere JDM H24C
- John Deere JDS-G135

*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®. Chrysler®, Ford®, GM®, John Deere®, and Volkswagen® are registered trademarks of their respective corporations.

KOST USA, Inc. recommends to always properly dispose of spent coolant. Contact your state or local municipality for instructions on proper disposal to protect our environment. If a coolant spill occurs, call local authorities and ask for proper instruction on how to clean up the spill.

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.