

# DefendAL<sup>®</sup>



## Global Automotive Extended Life Antifreeze/Coolant

DefendAL<sup>®</sup> 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<sup>®</sup> 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	Concentrate	50/50
Fluid Color	Yellow	Yellow
Density @ 68°F, lb/gal	9.3	8.9
pH (50v% solution)	8.1	8.1
Coolant Lifetime, miles (hours)	150,000 (5,000)	150,000 (5,000)

FREEZE/BOIL PROTECTION CHART <small>*Using a 15 psi pressure cap</small>	% Cooling System Capacity	PROTECTION FROM	
		Freezing Down To	Boiling Up To*
	40	-13° F	+260° F
	50	-34° F	+265° F
	60	-62° F	+270° F

Shipping Information	Cases	Steel Drums	Totes
Package Quantity	3 x 1 Gallons	55 Gallons	275 Gallons
Package Dimensions	12.75" x 7.8" x 12"	23.5" x 34.5"	40" x 48" x 46"
Gross Container Weight - Concentrate	≈29.5 Pounds	≈547 Pounds	≈2690 Pounds
Gross Container Weight - 50/50	≈28.4 Pounds	≈527 Pounds	≈2588 Pounds
Gross Weight on Pallet - Concentrate	≈2186 Pounds	≈2251 Pounds	N/A
Gross Weight on Pallet - 50/50	≈2106 Pounds	≈2169 Pounds	N/A
Quantity Per Pallet	72	4	1
Pallet Dimensions	40" x 48" x 54.5"	48" x 48" x 39.4"	40" x 48" x 46"
Product Part Number - Concentrate	11153	10190	10186
Product Part Number - 50/50	11154	10198	10193
UPC Code - Concentrate	652138902093	652138100420	652138100437
UPC Code - 50/50	652138902192	652138100468	652138100499
UPC Case Code - Concentrate	652138101106	N/A	N/A
UPC Case Code - 50/50	652138101113	N/A	N/A
Weight Per Gallon - Concentrate	≈9.3 Pounds	≈9.3 Pounds	≈9.3 Pounds
Weight Per Gallon - 50/50	≈8.9 Pounds	≈8.9 Pounds	≈8.9 Pounds

**⚠ 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

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

SAE J1034  
VW TL774-C/F

\*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. 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.

1-800-661-9391 | [kostusa.com](http://kostusa.com)

