

DefendAL®



Global Heavy Duty Extended Life Antifreeze/Coolant

DefendAL® Global Heavy Duty Extended Life Antifreeze/Coolant is a premium quality global Hybrid Organic Acid Technology (HOAT) virgin ethylene glycol-based fluid, specially formulated with industry-leading additives to provide optimum performance in gasoline engines, light duty diesel engines, and heavy duty applications.

- For use in all makes and all models of foreign and domestic passenger vehicles and light duty trucks
- Compatible with conventional and extended life Organic Acid Technology (OAT)-type Antifreeze/Coolant
- Up to 300,000 miles | 6,000 hours protection*
- Meets or exceeds: ASTM D3306, ASTM D6210, TMC RP329

*Maintain with DefendAL SCA every 50,000 miles. Consult your vehicle's owner's manual for recommendations.

Available in:

Concentrate

Bulk #10286
Totes #10285
Drums #10287
Cases #11155

50/50 Premix

Bulk #10290
Totes #10289
Drums #10291
Cases #11156

DefendAL® Global Heavy Duty Extended Life Antifreeze/Coolant is your cooling system's best defense.

- One Fleet-One Fluid. User-friendly fluid color and product formulation allows for top-off of any fluid color and fluid consolidation
- Contains a combination of nitrite and molybdate additives to provide superior wet sleeve liner cavitation protection
- No initial SCA precharge required
- Phosphate-free with low silicates
- Corrosion protection for steel, solder, copper, iron, brass and aluminum
- High-quality defoamer system, nonharmful to hoses, plastics or gaskets



DefendAL® Global Heavy Duty 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)	10.5	10.5
Maintenance Interval, miles (hours)	50,000 (1,000)	50,000 (1,000)
Coolant Lifetime, miles (hours)	300,000 (6,000)	300,000 (6,000)

FREEZE/BOIL PROTECTION CHART <small>*Using a 15psi 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	3x1 Gallons	55 Gallons	275 Gallons
Package Dimensions	12.75"x 7.8"x 12"	23.5"D x 34.5"H	40"x 48"x 53"
Gross Container Weight - Concentrate	≈30 Pounds	≈550 Pounds	≈2704 Pounds
Gross Container Weight - 50/50	≈29 Pounds	≈528 Pounds	≈2594 Pounds
Gross Weight on Pallet - Concentrate	≈2197 Pounds	≈2262 Pounds	≈2704 Pounds
Gross Weight on Pallet - 50/50	≈2110 Pounds	≈2174 Pounds	≈2594 Pounds
Quantity Per Pallet	72	4	1
Pallet Dimensions	40"x 48"x 54.5"	48"x 48"x 39.4"	40"x 48"x 53"
Product Part Number - Concentrate	11157	10263	10260
Product Part Number - 50/50	11158	10280	10277
UPC Code - Concentrate	652138903892	652138100512	652138100529
UPC Code - 50/50	652138904295	652138100536	652138100543
UPC Case Code - Concentrate	652138101120	N/A	N/A
UPC Case Code - 50/50	652138101137	N/A	N/A
Weight Per Gallon - Concentrate	≈9.3 Pounds	≈9.3 Pounds	≈9.3 Pounds
Weight Per Gallon - 50/50	≈9 Pounds	≈9 Pounds	≈9 Pounds

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

DefendAL® Global Heavy Duty Extended Life

Recommended for use in:

ASTM D3306
ASTM D6210
BS 6580:2010
CAT EC-1
CID-A-52624A
CNH MAT 3620 (87692740): Grade EG3/EG4
Cummins CES 14603

Daimler DBL 7700.00-7700.20
Deutz H 0685-6: Class DQC CA-14
Ford WSS-M97B51-A1
GM 1825M
JCB STD00088
John Deere JDM H24A
MAN 324 Type N

Navistar CEMS B-1 Type I, II, III
Perkins (CAT) SEBU7833-03
SAE J1034
SAE J1941
TMC RP 302A, B, C
TMC RP 329

TMC RP 338A
Toyota TSK 26016
Volvo Coolant VCS
VW TL774-C
Waukesha 4-2429H
Wisconsin Motors (Continental)

Always consult your vehicle's owner's manual for proper fluid removal and flushing procedures.



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

