

# DefendAL®



## Bio Marine & RV - Glycerin Free Antifreeze

From the makers of DefendAL® Antifreeze, KOST® USA brings you its innovative propylene glycol-based product line, DefendAL® Bio Marine & RV Antifreeze - Glycerin Free. These PG based formulations provide burst protection in boats, RV's, trailers, swimming pools, and cabins. The formulas are bio-degradable, less toxic, and safer for the environment. It's the Cool & Safe way to protect your plumbing systems.

- Propylene glycol-based fluids
- Environmentally-friendly formulations
- Protects copper, PVC, iron or porcelain plumbing fittings, and stainless steel fixtures
- Safer for children, pets and wildlife

### DefendAL® Bio Marine & RV Glycerin Free

- Three dilutions offering three different levels of protection: -50°F, -100°F, -200°F
- Glycerin-free formula won't clog sprayer systems
- Antifreeze is propylene glycol-based, and glycerin-free
- Specially formulated for use in farm sprayers, boats, RV's, trailers, cabins and swimming pools
- Contains propylene glycol, water, and corrosion inhibitors

#### Available in:

##### -50° F

-50° Drum #10257  
-50° Tote #10255  
-50° Bulk #10256

##### -100° F

-100° Drum #10254  
-100° Tote #10252  
-100° Bulk#10253

##### -200° F

-200° Drum #10259  
-200° Tote #11699  
-200° Bulk #10258



a Recochem Company

# DefendAL<sup>®</sup> Bio Marine & RV Antifreeze Glycerin Free

Technical Information	-50° F	-100° F	-200° F
Fluid Color	Pink	Pink	Pink
Burst Point	-50° F	-100° F	-200° F
Freeze Point	2° F	-24° F	10° - 15° F
Specific Gravity @ 68°F	1.03	1.04	1.04

Freeze point is the temperature at which ice crystals begin to form, Burst point is the temperature at which the fluid overcomes the hydrostatic pressure of the pipe and bursts. Freeze point protection is necessary when the fluid and plumbing need to remain flow-able and pump-able; whereas Burst protection is necessary when equipment and/or plumbing remains idle or not in use and Defendal Marine and RV fluids are used to displace residual water in engine cavities, equipment cavities, or plumbing fixtures that are not easily drained. If you suspect a significant volume of residual water in cavities or plumbing fixtures, consider using a lower burst protection fluid such as Glycerin Free -100 or -200.

-50° F Shipping Information	Case	Drum	Tote
Package Quantity	6x1 Gallons	55 Gallons	275 Gallons
Package Dimensions	12.6" x 7.9" x 12.1"	23.5"D x 34.5"H	40" x 48" x 53"
Gross Container Weight	≈27.4 Pounds	≈510 Pounds	≈2506 Pounds
Pallet Quantity Case/Gallons	72/216	4/220	1/275
Pallet Dimensions	40" x 48" x 54"	48" x 48" x 39"	40" x 48" x 53"
Liquid Weight Per Gallon	≈8.62 Pounds	≈8.62 Pounds	≈8.62 Pounds
Pallet Weight Gross	≈2035 Pounds	≈2103 Pounds	≈2506 Pounds

-100° F Shipping Information	Drum	Tote
Package Quantity	55 Gallons	275 Gallons
Package Dimensions	23.5"D x 34.5"H	40" x 48" x 53"
Gross Container Weight	≈515 Pounds	≈2528 Pounds
Pallet Quantity Case/Gallons	4/220	1/275
Pallet Dimensions	48" x 48" x 39"	40" x 48" x 53"
Liquid Weight Per Gallon	≈8.70 Pounds	≈8.70 Pounds
Pallet Weight Gross	≈2121 Pounds	≈2528 Pounds

-200° F Shipping Information	Drum	Tote
Package Quantity	55 Gallons	275 Gallons
Package Dimensions	23.5"D x 34.5"H	40" x 48" x 53"
Gross Container Weight	≈515 Pounds	≈2530 Pounds
Pallet Quantity Case/Gallons	4/220	1/275
Pallet Dimensions	48" x 48" x 39"	40" x 48" x 53"
Liquid Weight Per Gallon	≈8.71 Pounds	≈8.71 Pounds
Pallet Weight Gross	≈2123 Pounds	≈2530 Pounds



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 is the Largest Family-Founded Manufacturer, Supplier, and Marketer of Antifreeze, Glycols, and Functional Fluids in the United States. Founded in 1985 and Headquartered in Cincinnati, OH. We Proudly Build our Customer's Private Label Brands and our Oil & Gas brands through High-Performance Products and Superior Service. Our business is primarily in the Automotive & Heavy-Duty Aftermarket.

1-800-661-9391 | kostusa.com

