

DefendAL®



Marine & RV Antifreeze

From the makers of DefendAL® Antifreeze, KOST® USA brings you its innovative propylene glycol-based product line, DefendAL® Marine & RV Antifreeze. These PG based formulations provide burst protection in boats, RV's, trailers, swimming pools, and cabins. These bio-degradable formulas are non-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

Available in:

Glycerin Free

-50° Drum #10257
-50° Tote #10255
-50° Bulk #10256
-100° Drum #10254
-100° Tote #10252
-100° Bulk #10253
-200° Drum #10259
-200° Tote #11699
-200° Bulk #10258

Premium Bio

-50° 6x1 Case #11670
-50° Drum #11671

Marine & RV

-50° 6x1 Case #11673
-50° Drum #11674
-50° Tote #12075

DefendAL® Glycerin Free

- Three dilutions offering three different levels of protection: -50°F, -100°F, -200°F
- Glycerin-free formula won't clog system
- 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

DefendAL® Premium Bio Marine

- Offers protection down to -50°F
- Antifreeze is propylene glycol-based, and ethanol free
- Formulated for use in boats, RV's, trailers, cabins and swimming pools.
- Contains propylene glycol, water, and glycerin

DefendAL® Marine & RV

- Offers protection down to -50°F
- Antifreeze is propylene glycol-based and contains ethanol
- Formulated for use in boats, RV's, trailers, cabins and swimming pools
- Contains propylene glycol, water, glycerin, and ethanol



DefendAL® Marine & RV Antifreeze

Technical Information	Glycerin Free -50	Glycerin Free -100	Glycerin Free -200	Premium Bio	Marine & RV
Fluid Color	Pink	Pink	Pink	Pink	Magenta
Burst Point	-50° F	-100° F	-200° F	-50° F	-50° F
Freeze Point	2° F	-24° F	10° - 15° F	15° F	20° F
Specific Gravity @ 68°F	1.03	1.04	1.04	1.05	.99

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.

Glycerin Free -50 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

Glycerin Free -100 Shipping Information	Drum	Tote	Glycerin Free -200 Shipping Information	Drum	Tote
Package Quantity	55 Gallons	275 Gallons	Package Quantity	55 Gallons	275 Gallons
Package Dimensions	23.5"D x 34.5"H	40" x 48" x 53"	Package Dimensions	23.5"D x 34.5"H	40" x 48" x 53"
Gross Container Weight	≈515 Pounds	≈2528 Pounds	Gross Container Weight	≈515 Pounds	≈2530 Pounds
Pallet Quantity Case/Gallons	4/220	1/275	Pallet Quantity Case/Gallons	4/220	1/275
Pallet Dimensions	48" x 48" x 39"	40" x 48" x 53"	Pallet Dimensions	48" x 48" x 39"	40" x 48" x 53"
Liquid Weight Per Gallon	≈8.70 Pounds	≈8.70 Pounds	Liquid Weight Per Gallon	≈8.71 Pounds	≈8.71 Pounds
Pallet Weight Gross	≈2121 Pounds	≈2528 Pounds	Pallet Weight Gross	≈2123 Pounds	≈2530 Pounds

Premium Bio Shipping Information	Case	Drum
Package Quantity	6x1 Gallons	55 Gallons
Package Dimensions	12.2" x 18.5" x 12.25"	23.5"D x 34.5"H
Gross Container Weight	≈56.4 Pounds	≈493 Pounds
Pallet Quantity Case/Gallons	6/210	4/220
Pallet Dimensions	40" x 48" x 66.25"	48" x 48" x 39"
Liquid Weight Per Gallon	≈8.76 Pounds	≈8.76 Pounds
Pallet Weight Gross	≈2033 Pounds	≈2035 Pounds

Marine & RV Shipping Information	Case	Drum	Tote
Package Quantity	6x1 Gallons	55 Gallons	275 Gallons
Package Dimensions	12.2" x 18.5" x 12.25"	23.5"D x 34.5"H	40" x 48" x 53"
Gross Container Weight	≈53.3 Pounds	≈475 Pounds	≈2402 Pounds
Pallet Quantity Case/Gallons	6/210	4/220	1/275
Pallet Dimensions	40" x 48" x 66.25"	48" x 48" x 39"	40" x 48" x 53"
Liquid Weight Per Gallon	≈8.24 Pounds	≈8.24 Pounds	≈8.24 Pounds
Pallet Weight Gross	≈1924 Pounds	≈1961 Pounds	≈2402 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, 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

