



PRODUCT DATA

DefendAL™ Heavy Duty Pre-Charged Antifreeze/Coolant

DefendAL Heavy Duty Pre-Charged Antifreeze/Coolant with SCA (Supplemental Coolant Additives) is made from industrial and antifreeze grade **virgin ethylene glycol** and industry leading additive components. It is pre-charged with the initial SCA treatment as recommended by most diesel engine manufacturers and the ATA's Technology and Maintenance Council. **KOST® USA** manufactures and distributes this product from strategic locations servicing the entire continental United States. **DefendAL™ Heavy Duty Pre-Charged Antifreeze/Coolant** is also available pre-diluted 50/50 with de-ionized filtered water, making it easier to assure proper coolant mixture for top off and cooling system fill. **DefendAL™ Heavy Duty Pre-Charged Antifreeze/Coolant** is a low silicate no phosphate formula.

Typical Performance and Specifications

Automotive

- ASTM D3306
- GM6038M
- CSMA
- GM 1825M (Aluminum)
- Ford
- Toyota TSK26016
- GSA A-A-5262A
- SAE J1034, J814
- VW TL 774 (G11)
- Porsche TL774C
- American Motors AM-4085
- Chrysler MS 7170

Heavy Duty

- ASTM D4985, D6210
- Cummins 90T8-4
- Detroit Diesel 7SE298, DDC 93K217
- Freightliner 48-22880
- GM 1899M (Non-Aluminum)
- John Deere 8650-5, H24B1, H24C1, H5
- Navistar B1, Type II
- TMC RP 329
- Caterpillar
- Thermo-King
- Mack TO 14, GS 17004
- TMC RP-302 B
- SAE J1941
- Volvo/GM Heavy Truck Corporation
- Ford New Holland 9-86, WSN-M97D18D
- J.I. Case JIC-501, MS1710
- Ford ESE M97B18-C
- PACCAR
- EMD M.I. 1748E
- Waukesha 4-1974D

Typical Properties	Method	Concentrate	50/50
Specific Gravity @ 60°F	ASTM D1122	1.120	1.071
Freeze Point, °F	ASTM D1120		-34
pH	ASTM D1287		10.5
Reserve Alkalinity	ASTM D1121	6.0	2.8
Water, % vol	ASTM D1123	3.0	48.5
Glycols, %vol	ASTM E202	95.5	50
Nitrite, ppm as NO ₂	ASTM D5827	2372	1253
Product Code:		9027	9028

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