PRODUCT BULLETIN

VGAP-800
Virgin Glycol Heavy-Duty Precharged
High-Nitrite Antifreeze Add Pak

PRODUCT DESCRIPTION AND APPLICATIONS
VGAP-800 is a fully-formulated virgin glycol Add Pak precharged with high levels of nitrite for heavy-duty industrial use. This inhibitor package contains a minimum of 2400 ppm nitrite, meeting ASTM D 6210. VGAP-800 is a non phosphate, non-nitrate, non-molybdate, one-part inhibitor package. In addition, it contains additives to minimize hot surface scaling while also preventing heat transfer surface fouling due to minor oil leakage. VGAP-800 can be used effectively with either virgin ethylene or propylene glycol. It can also be used with high-quality reclaimed glycol from distillation units, reverse-osmosis membranes, or most flocculation/filtration systems. Additives Plus recommends that all non-virgin glycol be analyzed to ensure glycol quality.

INDUSTRY SPECIFICATIONS

- ASTM D 3306
- ASTM D 4985
- ASTM D 5345
- ASTM D 4656
- ASTM D 6210
- ASTM D 6471
- ASTM D 6472
- ASTM D 6211
- Ford ESE-M97B44-A Sections 3.1.1 & 3.1.2
- Caterpillar DEAC
- Chrysler MS-7170 Sections A & B1-4
- Cummins 90T8-4
- Cummins 3666132
- Detroit Diesel 7SE298
- GM 6043M
- GM 1825M
- GM 1899M
- ATA RP 329A
- SAE J814C
- SAE J1034
- SAE J1038
- SAE J1941
- Subaru
- Nissan
- Audi
- Mercedes
- Navistar B1 (B6-008GO)
- BMW
- John Deere H-5
- John Deere 8650-5
- Mack Truck 014GS17004
- Freightliner 48-22880
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As concentrated Add Pak:
- Visual: Visual Cloudy, pale yellow liquid
- Specific Gravity @ 60°F: 1.155-1.185
- pH: 12.5-13.5

As concentrated Antifreeze (made with EG and VGAP-800):
- Specific Gravity @60°F: 1.110-1.125
- pH: 10.0-11.0
- Reserve Alkalinity: 10 ml min.
- Freeze Point: -34°F max.
- Nitrite: 2400 ppm min.

BLENDING INSTRUCTIONS
To make antifreeze concentrate (97.8% glycol, 2.2% additives), first charge the desired quantity of glycol to the blending tank. The glycol should be at a temperature of 45°F or higher and should have an initial pH of 7.0-9.5. Maintain this temperature of 45°F or higher throughout the blending procedure. Based on the quantity of glycol being treated, add 2.2% by volume of VGAP-800 while agitating or circulating glycol (Two 55 gallon drums per 5,000 gallons of glycol). Continue to agitate for 15-30 minutes after entire Add Pak content has been added. Store the concentrated Add Pak at a temperature above 40°F.

TECHNICAL CONTACT INFORMATION
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