

PRODUCT CODE: 62080-1700/2700/3700/4700

QUALITY CONTROL

To ensure quality control and assurance, all blending is controlled under Additives Plus's standards. Each individual batch of Add Pak is rigorously tested for conformance with product and industry specifications prior to storage, packaging, or shipment. This laboratory analysis is thoroughly conducted by both Additives Plus and our blending facilities. A Certificate of Analysis for each lot is produced and is available to customers.

INDUSTRY SPECIFICATIONS

- ASTM D 3306
- ASTM D 4985
- ASTM D 5345
- ASTM D 4656
- ASTM D 6471
- ASTM D 6472
- ASTM D 6211
- Ford ESE-M97B44-A Sections 3.1.1 & 3.1.2
- Chrysler MS-7170 Sections A & B 1-4
- GM 1825M
- GM 1899M
- ATA RP 302A

TECHNICAL CONTACT INFORMATION

Additives Plus
P.O. Box 1119, Evergreen, CO 80437 USA
Tel: (303) 916-0639 Fax: (303) 679-8988
info@additivesplus.com
www.additivesplus.com

PRODUCT DESCRIPTION AND APPLICATIONS

VGAP-700 is a one-part Universal Add Pak that incorporates cutting-edge inhibitor technology to provide a reasonably priced antifreeze additive package. VGAP-700 possesses several advantages associated with organic long life add paks, including lower dissolved solids levels and the absence of sometimes objectionable add pak components. VGAP-700 is a non-phosphate, non-nitrate, non-nitrite one-part inhibitor package and does not begin to crystallize until 40°F. In addition, it contains additives to minimize hot surface scaling while also preventing heat transfer surface fouling due to minor oil leakage. This inhibitor package produces antifreeze that meets ASTM D 3306 specification for light-duty and automotive and ASTM D 4985 specification for both heavy-duty and diesel engines. VGAP-700 can be used effectively with either ethylene or propylene glycol. This Universal Add Pak can also be used with either virgin or 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.

PRODUCT SPECIFICATIONS

As concentrated Add Pak:	
Visual	Cloudy to milky translucent liquid
Specific Gravity @ 60°F	1.038-1.068
pH	12.6-13.6
As concentrated Antifreeze (made with EG and VGAP-700):	
Specific Gravity @60°F	1.110-1.125
pH	10.0-11.0
Reserve Alkalinity	9 ml min.
Freeze Point	-34°F max.

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-700 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 45°F.