



HEAT TRANSFER & ANTI-FREEZE PRODUCTS

For use in chilled water, hydronic and other closed loop systems

Full Strength Solutions

FROSTSAFE (Ethylene Glycol + Inhibitor)



- High concentration insures most cost-effective performance
- Maximum efficiency - optimum freeze/burst protection
- Inhibited for maximum corrosion protection
- Effective over wide temperature range
- Sold in 5-gallon (EG5), and 55-gallon (EG-55) containers

PIPESAFE (Propylene Glycol + Inhibitor)



- High concentration offers cost-effective performance
- Low acute oral toxicity
- Manufactured with ingredients generally regarded as safe (GRAS)
- Use where potable water contact possible
- Inhibited for maximum corrosion protection
- Sold in 5-gallon (PG-5), and 55-gallon (PG-55) containers

PIPESAFE PLUS (100% USP Food Grade)



- High concentration offers cost-effective performance
- Low acute oral toxicity
- Manufactured with ingredients generally regarded as safe (GRAS)
- Recommended for use in food and beverage industry applications
- Inhibitor package available
- Sold in 55-gallon (PGFG-55) container

Pre-mixed Glycol Solutions

FROSTGUARD (60% Ethylene Glycol + Inhibitor)



- Pre-diluted ease of use - offers optimum freeze/burst protection
- Inhibited for maximum corrosion protection
- Contains red dye
- Ideal for Amana HTM systems
- Sold in 1-gallon (EG60-1), 5-gallon (EG60-5), and 55-gallon (EG60-55) containers

PIPEGUARD (60% Propylene Glycol + Inhibitor)



- Offers optimum freeze/burst protection
- Low acute oral toxicity
- Fully inhibited for maximum corrosion protection
- Contains red dye
- Use where potable water contact possible
- Contains green dye
- Sold in 1-gallon (PG60-1), 5-gallon (PG60-5), and 55-gallon (PG60-55) containers

Mixture Guidelines for Full Strength Solutions

Desired Freezing Protection Point	% Ethylene Glycol Needed	% PG or PG Food Grade Needed
+20	16%	20%
+10	26%	29%
0	34%	37%
-10	40%	43%
-20	45%	48%
-30	49%	52%
-40	53%	56%
-50	56%	58%
-60	60%	60%

Mixture Guidelines for 60% Pre-Mixed Solutions

Desired Freezing Protection Point	% Ethylene Glycol Needed	% PG or PG Food Grade Needed
20	33%	28%
10	48%	43%
0	60%	56%
-10	71%	66%
-20	80%	76%
-30	86%	83%
-40	88%	90%
-50	95%	93%
-60	100%	100%