



EG Inhibited Ethylene Glycol-Based

DESCRIPTION

Thermal Charge® EG is an inhibited ethylene glycol-based heat transfer fluid widely used for process heating and cooling applications, for freeze and burst protection of pipes, and for various ice-making, deicing, defrosting, and dehumidifying applications. This product is not intended for use in vehicle or stationary engine applications.

BENEFITS

- Excellent low temperature performance: At a 50/50% by volume mix, provides freeze protection to -37 °F (-38 °C), burst protection to -60 °F (-51 °C) and excellent low temperature pumpability
- Exceptional resistance to fouling and corrosion: Formulated to control degradation, while providing corrosion protection and pH stability
- Superior corrosion protection: Utilizes an advanced inhibitor technology that passivates metal surfaces to prevent corrosion. Meets ASTM D3306 performance requirements for the D1384 corrosion test, demonstrating excellent protection to all cooling system metals. Dilutions below 65% volume meet ASTM D8039 requirements for use in heat transfer applications and HVAC systems
- Nonflammable: Because the flash and fire points of ethylene glycol are above the boiling point of water, glycols present little fire hazard in storage or handling when mixed with water of 20% concentrations or greater
- Leak detection: Dyed fluorescent pink color to aid in leak detection

SUITABLE APPLICATIONS

- Closed-loop water based HVAC
- Cooling towers and chillers
- Fire sprinkler systems
- Ice-making & skating rink systems
- Thermal energy storage
- Gas dehydration units
- Secondary loop refrigeration
- Ground source heat pumps Ground freeze protection
- Snow melting systems
- Trace line insulation & heating
- Water bath heaters



PRODUCT AVAILABILITY	PART NUMBER									
Bulk	TFA030	TFAW30	TFA040	TFAW40	TFAW50	TFA050	TFA060	TFAW60	TFA070	TFAOOO
275 Gallon Tote	TFA038	TFAW38	TFA048	TFAW48	TFAW58	TFA058	TFA068	TFAW68	TFA078	TFA008
55 Gallon Drum	TFAO31	TFAW31	TFA041	TFAW41	TFAW51	TFA051	TFA061	TFAW61	TFA071	TFA001
5 Gallon Pail	-	-	-	-	TFAW55	-	-	-	-	TFA005



Manufactured for Old World Industries, LLC Northbrook, IL 60062 · (800) 289-7234

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FREEZE/BURST PROTECTION CHART Weight % Thermal Charge EG Required								
TEMPERATURE		FOR FREEZE PROTECTION	FOR BURST PROTECTION					
(°F)	(°C)							
20	-7	17%	12%					
10	-12	27%	18%					
0	-18	36%	24%					
-10	-23	42%	28%					
-20	-29	47%	32%					
-30	-34	50%	32%					
-40	-40	56%	32%					
-50	-46	60%	32%					
-60	-51	64%	32%					

To order, please call 1-800-323-5440 or email commercial@owi.com

For technical support, call 1-800-477-5847