



# PROPYLENE GLYCOL CIRCULATING FLUIDS

**2**  
**TYPES**  
**UNDILUTED**



**THE SAFER NON-TOXIC  
ALTERNATIVE**

- SAFE & NON-TOXIC TO PEOPLE, PETS, ANIMALS OR THE ENVIRONMENT.
- DISPOSABLE TO SANITARY AND SEPTIC SYSTEMS.
- SUPPLIED WITH OR WITHOUT OUR SPECIAL HIGH QUALITY CORROSION INHIBITOR PACKAGE TO PROTECT THE METALS WITHIN YOUR SYSTEM.

**GREAT PROTECTION  
GREAT PRICES**

## PROPYLENE GLYCOL

### Uninhibited

PPE undiluted Industrial Grade Propylene Glycol (PG) serves as an effective antifreeze and fluid transfer media for heating and chilling applications. PG's key attraction is its low toxicity. The pharmaceutical grade PG is used in a wide range of food, medical and cosmetic product applications. PG is fully fungible with Ethylene Glycol. PG has received a "Generally Recognized as Safe" designation from the Food and Drug Administration. OSHA has not found it necessary to set an exposure limit for PG because of PG's inherent low toxicity. Biodegradability: PG does not persist in the environment. It is readily consumed by microorganisms. In an active sludge treatment plant operating at 65°F, PG is fully degraded within 24 hours. PPE recommends that corrosion inhibitors and pH buffers be added to this product before use. If you are looking for a product already blended, purchase our Inhibited Propylene Glycol.

## INHIBITED PROPYLENE GLYCOL

### with Corrosion Inhibitors & pH Buffers

PPE PGR Inhibited Propylene Glycol is a formulation of undiluted propylene glycol and a specially designed package of industrial corrosion inhibitors and pH buffers. It is designed specifically to prevent attacks on metals within your systems such as brass, copper, copper alloys, steel, cast iron and aluminum. It also contains no silicates found in automotive antifreeze, which can coat heat exchangers, resulting in reduced heat transfer. PPE recommends a 30% to 40% propylene glycol solution, unless a lower freezing point is required. Lower than a 30% solution will result in better heat transfer, but will dilute the inhibitors & buffers to an unacceptable level. Higher than a 40% solution will provide better system protection and a lower freezing point, but will reduce heat transfer. PGR Inhibited Propylene Glycol is dyed fluorescent pink for easy identification and/or leak detection.

PART NO.	CONTAINER SIZE	QTY PRICES	
		1 - 3	4+
PGF005	5 GALLON	\$165.00	\$156.00
*PGF055	55 GALLON	\$1,575.00	\$1,495.00

5 GALLON GROSS SHIPPING WEIGHT 44 LBS.  
55 GALLON GROSS SHIPPING WEIGHT 476 LBS.

\*USP/Food Grade available in 55 gallon drums only to special order.

PART NO.	CONTAINER SIZE	QTY PRICES	
		1 - 3	4+
PGF005R	5 GALLON	\$180.00	\$170.00
PGF055R	55 GALLON	\$1,735.00	\$1,645.00

5 GALLON GROSS SHIPPING WEIGHT 44 LBS.  
55 GALLON GROSS SHIPPING WEIGHT 476 LBS.

### PROPYLENE GLYCOL PROPERTIES

% GLYCOL	% WATER	TEMPERATURE RANGE	SPECIFIC HEAT @ 100°F Btu/Lb	SPECIFIC GRAVITY @ 68°F
25%	75%	+15°F to 214°F	0.963	1.025
30%	70%	+9°F to 216°F	0.944	1.030
35%	65%	+2°F to 217°F	0.925	1.035
40%	60%	-6°F to 219°F	0.908	1.040
45%	55%	-15°F to 220°F	0.881	1.044
50%	50%	-28°F to 222°F	0.858	1.048
55%	45%	-39°F to 223°F	0.832	1.051
60%	40%	-60°F to 225°F	0.810	1.054

**OUR GLYCOLS  
PERFORM BETTER  
AS REPORTED  
BY CUSTOMERS.**



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