



# KOSTCHILL™ PG FG Heat Transfer Fluid

**KOSTChill™ Heat Transfer Fluids have been instilled in the following systems:**

- Soldier Field
- Busch Stadium
- Duke Power Plants
- Sam Adams Brewery
- Nutra Sweet
- Coca-Cola
- Daisy Foods
- Smuckers
- Hollywood Casino
- Meijer Food
- Wegman's Food
- Arnold Air Force Base
- U.S. Dept of Defense
- Cincinnati Union Terminal
- US Army Facilities
- Kraft/Heinz Plants
- PepsiCo
- Nestle
- Facebook Data Centers

## **KOSTChill™ PG FG**

Virgin propylene glycol based heat transfer fluid containing a specially designed inhibitor package that helps prevent corrosion. KOSTChill™ PG FG is registered by NSF as an HT-1 product. The fluid is manufactured with ingredients classified as Generally Recognized as Safe (GRAS) by the FDA, and is recommended for use within Food & Beverage processing areas where incidental food contact is possible.

### **Benefits:**

- Excellent low temp pumpability
- Fluid is undyed and near colorless or can be dyed blue by request
- Silicate free and meets the Heat Transfer Fluid ASTM D8039 corrosion testing, ensuring multi-metal protection when a minimum of 30% is used
- Compatible with most plastics, elastomer's and types of rubber
- Lower environmental toxicity
- Virgin propylene glycol
- Burst protection to -50°F when the concentration is 35% or higher

KOSTChill™ PG FG inhibited virgin propylene glycol-based heat transfer fluid is manufactured with the highest quality raw materials. Each KOST® USA fluid is specially formulated with a state-of-the-art inhibitor package that prevents corrosion, which minimizes fluid expense and extends fluid life. KOSTChill fluid is silicate free and meets ASTM standards; and is available in dilutions ranging from 25% to 70% PG. Please note that we recommend diluting only with RO (reverse osmosis) or distilled water to maintain corrosion protection.

### **Typical Applications:**

- HVAC Systems
- Food & Beverage Processing
- Pharmaceutical Processing
- Process Heating & Cooling
- Sidewalk & Playing Field Subsurface Heating
- Ice Rinks
- Computer Cooling Systems
- Geo Thermal
- Refrigeration Warehouse Floor Heating
- Cold Room Dehumidify
- Irrigation Systems
- Cooling Towers & Chillers
- Fire Sprinkler Systems



Think of our products as  
**Liquid Assets.**<sup>™</sup>

No matter the heating and cooling needs, KOST<sup>®</sup> USA's family of glycol-based heat transfer fluids offers a solution that will exceed your requirements.

At KOST<sup>®</sup> USA, we can customize products to meet all engineering requirements where glycol-based products are required.

It's more than business...  
It's personal.

KOST<sup>®</sup> USA, Inc. is the largest family-owned manufacturer, supplier, and marketer of antifreeze and functional fluids in the United States. Founded in 1985, our headquarters and manufacturing facility is strategically located in Cincinnati, Ohio. We build our customers' brands and our brands through high-performance products and superior service. Committed to quality, KOST USA is ISO 9001:2015 Certified, ASTM Standards Lab, Global Sourcing, NSF, GHS, and FM Approved.

# KOSTCHILL<sup>™</sup>

## PG FG

### Heat Transfer Fluid

TYPICAL PROPERTIES	KOSTChill <sup>™</sup> PG FG Concentrate	KOSTChill <sup>™</sup> PG FG 70%	KOSTChill <sup>™</sup> PG FG 60%	KOSTChill <sup>™</sup> PG FG 50%	KOSTChill <sup>™</sup> PG FG 40%	KOSTChill <sup>™</sup> PG FG 30%
Propylene Glycol, % Weight	94%	70%	60%	50%	40%	30%
Corrosion Inhibitors and Water % Weight	6%	30%	40%	50%	60%	70%
Color	Clear	Clear	Clear	Clear	Clear	Clear
ASTM Corrosion Specification	D8039	D8039	D8039	D8039	D8039	D8039
Specific Gravity (68°F)	1.0544	1.0567	1.0539	1.0486	1.0409	1.0313
pH of Solution	Refer to Dilution*	9.0-10.8	9.0-10.8	9.0-10.8	9.0-10.8	9.0-10.8
Reserve Alkalinity, ml	10.6 min	7.6 min	6.5 min	5.4 min	4.3 min	3.3 min
Pounds per Gallon (68°F)	8.79	8.81	8.78	8.74	8.68	8.60
Boiling Point °F (°C)	Refer to Dilution	230° (110°)	225° (107°)	222° (106°)	219° (104°)	216° (102°)
Freeze Point °F (°C)	Refer to Dilution	Below -60° (-51°)	-46° (-43°)	-28° (-33°)	-7° (-21°)	9° (-13°)
NSF #	139285	159093	159095	159097	159099	159101

#### SHIPPING INFORMATION

*Slight changes to the weight of our packaging materials may effect the gross weight of our finished goods.*

Part Number	Bulk	10056	10068	11135	10059	10076	10065
	Pail	11078	N/A	N/A	11085	N/A	N/A
	Drum	10057	10070	11225	10060	11083	10066
	Tote	10055	11084	11224	10058	11082	10064
UPC Code	Pail	652138102271	N/A	N/A	652138102363	N/A	N/A
	Drum	652138101533	652138101595	652138102400	652138101571	652138102325	652138101557
	Tote	652138101540	652138102448	652138102417	652138101588	652138102332	652138101564
Gross Container Weight	Pail	47#	N/A	N/A	46.5#	N/A	N/A
	Drum	505#	506#	504#	502#	499#	494#
	Tote	2552#	2558#	2550#	2540#	2522#	2500#
Gross Pallet Weight	Pail	2295#	N/A	N/A	2283#	N/A	N/A
	Drum	2055#	2085#	2079#	2070#	2057#	2039#
	Tote	2552#	2558#	2550#	2540#	2522#	2500#
Quantity Per Pallet	Pail	48					
	Drum	4					
	Tote	1					
Volume Per Package	Pail	5 Gallons					
	Drum	55 Gallons					
	Tote	275 Gallons					
Package Dimensions	Pail	11.2"W x 10.2"D x 13.9"H					
	Drum	23.5"D x 34.5"H					
	Tote	48" x 40" x 46"					
Pallet Dimensions	Pail	49" x 41" x 47"					
	Drum	48" x 48" x 39.5"					
	Tote	48" x 40" x 46"					

**KOSTChill<sup>™</sup>PG FG is also available in these concentrations:** 65/35, 55/45, 45/55, 35/65, 25/75 dilutions. Some KOSTChill PG FG products can be dyed blue. \*pH of Concentrate cannot be accurately measured due to the lack of water needed to obtain a reliable pH measurement. When diluting any KOSTChill<sup>™</sup> products, it is recommended that RO or distilled water is used.

All reasonable care has been taken to ensure that the information herein is accurate as of the date of printing. Freedom to use any patent owned by KOST<sup>®</sup> USA, Inc. or others is not to be inferred from any statement contained herein. The test results listed are typical properties only. Formula and blending changes may result in slight color and appearance changes. SDS can be found at [kostusa.com](http://kostusa.com)



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