



# KOSTCHILL™

## PG HD

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
- Fairlife Dairy

### **KOSTChill™ PG HD**

A fully formulated virgin propylene glycol based heat transfer fluid containing an inhibitor and additive package that controls the corrosion of metals; helps prevent scaling and the fouling of heat transfer surfaces, and buffers the pH to maintain it in the optimum operating range. Used for heavy-duty applications, KOSTChill™ PG HD has a recommended operating temperature range of -50° F to 325° F when mixed with appropriate water concentrations. It provides both freeze and burst protection for systems exposed to very low temperatures.

### **Benefits:**

- Fluid is dyed fluorescent pink for leak detection purposes
- Silicate free
- Meets the Heat Transfer Fluid ASTM D8039 requirements standards for multi-metal corrosion protection and for D1881, foam tendency testing for ready-to-use heat transfer fluids
- Available in dilutions ranging from 25% to 70%, a minimum of 30% to meet ASTM protection standards
- Operating temperature of -50° F to 325° F

KOSTChill™ PG HD 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. Please note that we recommend diluting only with RO (reverse osmosis) or distilled water to maintain corrosion protection.

### **Typical Applications:**

Solar Heating  
Chemical Processing  
Thermal Energy Storage  
HVAC Systems  
Sidewalk and Playing Field Subsurface Snow Melting  
Process Heating & Cooling  
Refrigeration Warehouse Floor Heating  
Ice Rinks  
Computer Cooling Systems  
Cooling Water for Gas Turbine Power Systems  
Boiler Systems  
Hydronic Heating or Cooling Systems



Think of our products as  
**Liquid Assets.™**

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

At KOST® 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® 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.

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### Heat Transfer Fluid

TYPICAL PROPERTIES	KOSTChill™ PG HD Concentrate	KOSTChill™ PG HD 70%	KOSTChill™ PG HD 60%	KOSTChill™ PG HD 50%	KOSTChill™ PG HD 40%	KOSTChill™ PG HD 30%
Propylene Glycol, % Weight	95%	70%	60%	50%	40%	30%
Corrosion Inhibitors and Water % Weight	5%	30%	40%	50%	60%	70%
Color	Pink	Pink	Pink	Pink	Pink	Pink
ASTM Corrosion Specification	D8039	D8039	D8039	D8039	D8039	D8039
pH of Solution	Refer to Dilution*	9.2-10.6	9.2-10.6	9.2-10.6	9.2-10.6	9.2-10.6
Reserve Alkalinity, ml	14.3 min	10.3 min	8.9 min	7.4 min	5.9 min	4.5 min
Pounds per Gallon (68°F)	8.80	8.82	8.80	8.75	8.69	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° (-22°)	9° (-13°)

#### SHIPPING INFORMATION

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

Part Number	Bulk Pail Drum Tote	10030 10032 10033 10029	10818 N/A 11241 11240	10038 N/A 10039 11239	10036 11140 10037 10035	10047 N/A 10048 10046	10050 N/A 10051 10049
UPC Code	Pail Drum Tote	652138101717 652138101700 652138101724	N/A 652138102608 652138102615	N/A 652138101687 652138102493	652138101489 652138101663 652138101670	N/A 652138101632 652138101649	N/A 652138101618 652138101625
Gross Container Weight	Pail Drum Tote	47# 505# 2547#	N/A 507# 2553#	N/A 505# 2547#	46.5# 503# 2533#	N/A 499# 2517#	N/A 494# 2492#
Gross Pallet Weight	Pail Drum Tote	2297# 2057# 2547#	N/A 2061# 2553#	N/A 2057# 2547#	2285# 2046# 2533#	N/A 2033# 2517#	N/A 2013# 2492#
Quantity Per Pallet	Pail Drum Tote	48 4 1					
Volume Per Package	Pail Drum Tote	5 Gallons 55 Gallons 275 Gallons					
Package Dimensions	Pail Drum Tote	11.2"W x 10.2"D x 13.9"H 23.5"D x 34.5"H 49" x 40" x 46"					
Pallet Dimensions	Pail Drum Tote	49" x 41" x 47" 48" x 40" x 39.5" 49" x 40" x 46"					

KOSTChill™ PG HD is also available in these concentrations: 25/75, 35/65, 45/55, 55/45, 65/35 dilutions. \*pH of Concentrate cannot be accurately measured due to the lack of water needed to obtain a reliable pH measurement. When diluting any KOSTChill™ 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® 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



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