



# KOSTCHILL™ PG AL Safe 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 AL Safe**

Aluminum Safe Heat Transfer Fluids are fully-formulated virgin propylene glycol-based heat transfer fluids containing an extended life inhibitor and an additive system that controls corrosion of all metals, including aluminum, copper and stainless steel. KOSTChill™ PG AL Safe helps prevent scaling and the fouling of heat transfer surfaces and maintains them in the optimum temperature operating range. KOSTChill™ PG AL Safe is specifically formulated to maintain the pH of the fluid within the Aluminum Safe Zone throughout the 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 blue for leak detection purposes
- Specially formulated for aluminum and copper
- Extended life inhibitor package
- Meets the Heat Transfer Fluid ASTM D8039 requirements standards for multi-metal corrosion protection
- Available in concentrate and dilutions of 70%, 60%, 50%, 40%; and 30% which is the minimum to meet ASTM protection standards
- Operating temperature of -50° F to 325° F

KOSTChill™ PG AL Safe 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 where Aluminum is Present:**

- HVAC Systems
- Process Heating & Cooling
- Solar Protection
- Thermal Energy Storage
- Refrigeration Warehouse Floor Heating
- Computer Cooling Systems
- Cooling Water for Gas Turbine Power Systems
- Boiler Systems
- Heat Exchangers
- Ice Rinks
- Hydronic Heating Systems

\*Not recommended for use in PVC



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 AL Safe Heat Transfer Fluid

TYPICAL PROPERTIES	KOSTChill <sup>™</sup> PG AL Safe Concentrate	KOSTChill <sup>™</sup> PG AL Safe 70/30	KOSTChill <sup>™</sup> PG AL Safe 60/40	KOSTChill <sup>™</sup> PG AL Safe 50/50	KOSTChill <sup>™</sup> PG AL Safe 40/60	KOSTChill <sup>™</sup> PG AL Safe 30/70
Propylene Glycol, % Weight	94%	70%	60%	50%	40%	30%
Corrosion Inhibitors and Water % Weight	6%	30%	40%	50%	60%	70%
Color	Blue	Blue	Blue	Blue	Blue	Blue
ASTM Corrosion Specification	D8039	D8039	D8039	D8039	D8039	D8039
pH of Solution	Refer to Dilution*	7.8-8.8	7.8-8.8	7.5-8.5	7.5-8.5	7.5-8.5
Pounds per Gallon (68°F)	8.69	8.74	8.73	8.70	8.65	8.56
Boiling Point °F (°C)	Refer to Dilution	233° (112°)	221° (105°)	217° (103°)	216° (102°)	215° (102°)
Freeze Point °F (°C)	Refer to Dilution	-60° (-50°)	-45° (-43°)	-28° (-34°)	-7° (-22°)	8° (-13°)

#### SHIPPING INFORMATION

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

Part Number	Bulk Drum Tote	11928 11931 11932	12128 Call Call	11906 11933 11934	12129 12910 Call	12112 12990 12198	11935 11936 11937
UPC Code	Drum Tote	652138103872 652138103889	Call Call	652138103858 652138103865	Call Call	Call Call	652138103834 652138103841
Gross Container Weight	Drum Tote	499# 2525#	502# 2539#	502# 2536#	500# 2528#	497# 2514#	492# 2489#
Gross Pallet Weight	Drum Tote	2059# 2525#	2067# 2539#	2068# 2536#	2058# 2528#	2047# 2514#	2031# 2489#
Quantity Per Pallet	Drum Tote	4 1					
Volume Per Package	Drum Tote	55 Gallons 275 Gallons					
Package Dimensions	Drum Tote	23.5"D x 34.5"H 49" x 40" x 46"					
Pallet Dimensions	Drum Tote	48" x 40" x 39.5" 49" x 40" x 46"					

\*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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