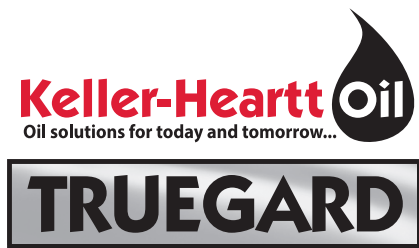


# TRUEGARD PROPYLENE GLYCOL

## HEAT TRANSFER FLUID



### RECOMMENDED USES

**TRUEGARD PROPYLENE GLYCOL HEAT TRANSFER FLUID** is a versatile propylene glycol-based heat transfer fluid that is suitable for a wide range of applications, including heating and air conditioning systems, geothermal heat pumps, and solar panels.

**TRUEGARD PROPYLENE GLYCOL HEAT TRANSFER FLUID** has a low acute toxicity level which makes this product especially appropriate for implementations where toxicity is a concern.

**Recommended use temperature range:**  
-50°C(-60°F) to 175°C (350°F)

### FEATURES/BENEFITS

- Protects against corrosion, particularly in aluminum alloys
- Can be used at a minimum 20% concentration for high and low temperatures
- Stability in hard water allows use with regular tap water
- Compatible with common elastomers
- Long fluid life reduces maintenance costs
- Low acute toxicity level
- Nitrate, borax, and CMR free formulation

### TYPICAL PROPERTIES

Composition (% by weight)	
Propylene Glycol	92
Inhibitors and Water	8
Color	Colorless
Density at 20°C	
g/cm <sup>3</sup>	1.150 - 1.170
pH of Solution	
(50% vol. in Water)	7.8 - 8.4
(33% vol. in Water)	8.1 - 8.6
Reserve Alkalinity (min.)	10.0 ml

*Typical properties, not to be construed as specifications.  
Complete sales specifications available on request.*

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### TYPICAL FREEZING POINTS

TRUEGARD PG Vol. %	Freezing Point °C	TRUEGARD PG Vol. %	Freezing Point °C
5.0	-1.6	43.0	-24.8
10.0	-3.3	44.0	-25.8
15.0	-5.3	45.0	-27.0
20.0	-7.5	46.0	-28.1
21.0	-8.0	47.0	-29.3
22.0	-8.5	48.0	-30.5
23.0	-9.1	49.0	-31.8
24.0	-9.6	50.0	-33.1
25.0	-10.2	51.0	-34.5
26.0	-10.8	52.0	-35.9
27.0	-11.4	53.0	-37.3
28.0	-12.1	54.0	-38.7
29.0	-12.7	55.0	-40.3
30.0	-13.4	56.0	-41.8
31.0	-14.1	57.0	-43.4
32.0	-14.8	58.0	-45.0
33.0	-15.6	59.0	-46.7
34.0	-16.4	60.0	-48.5
35.0	-17.2	65.0	<-51
36.0	-18.0	70.0	<-51
37.0	-18.9	75.0	<-51
38.0	-19.8	80.0	<-51
39.0	-20.7	85.0	<-51
40.0	-21.7	90.0	<-51
41.0	-22.7	95.0	<-51
42.0	-23.7	100.0	<-51

*NOTE: Generally, for an extended margin of protection, select a temperature in this table that is at least 3°C lower than the expected lowest ambient temperature. Please contact Keller-Heartt, Inc. on specific circumstances or for further assistance.*