

TRUEGARD ETHYLENE GLYCOL

HEAT TRANSFER FLUID



RECOMMENDED USES

TRUEGARD ETHYLENE GLYCOL HEAT TRANSFER FLUID is a versatile ethylene glycol-based heat transfer fluid that is suitable for a wide range of applications, including heating and air conditioning systems, pharmaceuticals, and heat recovery applications.

TRUEGARD ETHYLENE GLYCOL HEAT TRANSFER FLUID also protects against corrosion at lower glycol concentrations for applications such as geothermal heat pumps.

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
- Nitrate, borax, and CMR-free formulation

TYPICAL PROPERTIES

Composition (% by weight)	
Ethylene Glycol	91
Inhibitors and Water	9
Color	Colorless
Density at 20°C	
g/cm ³	1.150 - 1.160
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 EG Vol. %	Freezing Point °C	TRUEGARD EG Vol. %	Freezing Point °C
5.0	-2.1	43.0	-28.7
10.0	-4.3	44.0	-29.9
15.0	-6.7	45.0	-31.1
20.0	-9.4	46.0	-32.3
21.0	-10.0	47.0	-33.6
22.0	-10.6	48.0	-34.9
23.0	-11.3	49.0	-36.3
24.0	-11.9	50.0	-37.7
25.0	-12.6	51.0	-39.1
26.0	-13.2	52.0	-40.6
27.0	-14.0	53.0	-42.1
28.0	-14.7	54.0	-43.7
29.0	-15.4	55.0	-45.3
30.0	-16.2	56.0	-46.9
31.0	-17.0	57.0	-48.6
32.0	-17.8	58.0	-50.3
33.0	-18.7	59.0	<-51
34.0	-19.5	60.0	<-51
35.0	-20.4	65.0	<-51
36.0	-21.4	70.0	<-51
37.0	-22.3	75.0	<-51
38.0	-23.3	80.0	<-51
39.0	-24.3	85.0	-50.9
40.0	-25.4	90.0	-40.8
41.0	-26.4	95.0	-34.5
42.0	-27.5	100.0	-28.7

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..