

Pre-Mixed Inhibited BioGlycol Heat Transfer Fluid

Process Applications

- Specifically designed for solar thermal applications
- Ideal for solar water heaters
- High-temperature glycol systems

■ Dynalene Solar Glycol-XT Overview

Dynalene Solar Glycol-XT is specifically designed for your solar thermal application, with 30% less viscosity at lower temperatures and better thermal stability than other glycols (up to 350°F). It is made from non-toxic, renewably-sourced 1,3-propanediol (BioGlycol), produced from domestically grown corn. The fluid comes pre-mixed and should not be diluted.

Unlike typical propylene or ethylene glycols which are made from foreign oil or natural gas, the production of Dynalene Solar Glycol-XT emits 40% less greenhouse gases and use 20% less energy to produce than propylene glycol.

Dynalene Solar Glycol-XT completes your green application while possessing similar or better physical properties compared to ethylene and propylene glycol fluids. It offers better performance than propylene glycol while providing its users with a more environmentally friendly product than ethylene glycol.

■ Benefits of Choosing Solar Glycol-XT

- Corn-based raw material
- Completely renewable
- Non-toxic
- Better thermal stability than other glycols
- Low viscosity
- Improved pumping efficiency
- Available worldwide
- Cost-effective
- Total fluid care option

■ Quantity & Availability

Dynalene Solar Glycol-XT is offered in 1, 2.5, 5, 30, 55, and 265-gallon containers as well as 5,000-gallon tankers. Pricing depends on quantity, and Dynalene, Inc. will work with you to try to fit your budget.

■ Dynalene's Fluid Care Program

Coupling our Dynalene fluids with a fluid care program can extend the life of your systems significantly. We offer yearly testing of the heat transfer fluid in your system and can track changes in the fluid year to year so adjustments can be made to keep your system working at its best.

Recommended Temperature Range:

-27°C (-17°F) to 176°C (350°F)

■ Properties of Dynalene Solar Glycol-XT

A list of the thermo-physical properties of Dynalene Solar Glycol-XT is given below. For health and safety information or to request a Safety Data Sheet, contact our Dynalene sales representatives.

Composition:	BioGlycol, water, inhibitors
Appearance:	Clear
Odor:	Little or none
pH:	8.5 to 9.5
Reserve Alkalinity:	>10.6 mL
Freezing Point:	-29°C (-20.5°F)
Flash Point:	None

Temp °F	Density lb/ft ³	Specific Heat Btu/lb·°F	Thermal Cond. Btu/hr-ft·°F	Viscosity cP
-20	67.71		0.188	
-10	67.55	0.790	0.191	45.6
0	67.38	0.800	0.194	32.1
10	67.21	0.810	0.196	24.2
20	67.03	0.810	0.199	18.8
30	66.85	0.820	0.201	14.6
40	66.67	0.830	0.204	11.5
50	66.48	0.840	0.206	9.07
60	66.29	0.840	0.208	7.22
70	66.09	0.850	0.210	5.80
80	65.89	0.860	0.211	4.72
90	65.69	0.870	0.213	3.89
100	65.49	0.870	0.214	3.25
120	65.06	0.890	0.215	2.36
140	64.62	0.910	0.218	1.81
160	64.16	0.920	0.220	1.45
180	63.69	0.940	0.221	1.21
200	63.20	0.950	0.221	1.06
220	62.70	0.970	0.221	0.96

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