Dynalene Solar Glycol-XT

DYNALENE
Tomorrow's Solutions Flow Through Us

Inhibited Trimethylene Glycol 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 a domestically produced, non-toxic, renewably sourced fluid.

Unlike typical propylene or ethylene glycol which is made from foreign oil or natural gas, the production of Dynalene Solar Glycol-XT emits 40% less green house 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 Dynalene Solar Glycol-XT

- Produced from domestically grown corn instead of oil
- Completely renewable
- Non-toxic
- Better thermal stability than other glycols
- Lower viscosity means less energy to pump
- Available throughout North America
- Cost-effective
- Total fluid care

Price, 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, however, Dynalene, Inc. will work with you to try and 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. It offers yearly testing of the heat transfer fluid in your system and tracks the changes in the fluid year to year so adjustments can be made to keep your systems 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 Material Safety Data Sheet, contact our Dynalene sales representatives.

Composition:	BioGlycol, inhibitors
Appearance:	Clear
Odor:	Little or none
pH:	8.5 to 9.5
Reserve Alkalinity:	>10.6 mL
Flash Point:	None

Temp °F	Density lb/ft³	Specific Heat Btu/lb·°F	Thermal Cond. Btu/hr·ft·°F	Viscosity cP
-20	66.46		0.188	
-10	66.35	0.790	0.191	45.6
0	66.23	0.800	0.194	32.1
10	66.11	0.810	0.196	24.2
20	65.97	0.810	0.199	18.8
30	65.82	0.820	0.201	14.6
40	65.67	0.830	0.204	11.5
50	65.50	0.840	0.206	9.07
60	65.33	0.840	0.208	7.22
70	65.14	0.850	0.210	5.80
80	64.95	0.860	0.211	4.72
90	64.74	0.870	0.213	3.89
100	64.53	0.870	0.214	3.25
120	64.06	0.890	0.215	2.36
140	63.57	0.910	0.218	2.31
160	63.03	0.920	0.220	1.45
180	62.45	0.940	0.221	1.21
200	61.83	0.950	0.221	1.06
220	61.17	0.970	0.221	0.96

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Dynalene, Inc. is an ISO 9001 certified company

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