

## Propylene glycol, Ethylene glycol, BioGlycol, Oh my....

If you looking to buy glycol for your HVAC, thermal energy storage, hydronic heating, solar, ground source heat Pumps, or other closed-loop process cooling or heating system, but then the question starts with:

### **What type of glycols are available?**

Dynalene offers three types of inhibited glycols:

**Dynalene PG**—Inhibited Propylene glycol is a clear, non-toxic fluid that the FDA considers “generally recognized as safe”.

**Dyanlene EG**—Inhibited Ethylene glycol is a clear, odorless, sweet tasting, toxic fluid.

**Dynalene BioGlycol**—Inhibited Glycol that is a corn derived glycol, unlike propylene and ethylene which are derived from petro-based fluids.

### **What type of glycol should I buy?**

The answer to this question will depend on your application. For instance, if you had a cooling loop in a food process, we would suggest to use Dynalene BioGlycol or Dynalene PG, because they are both non-toxic fluids.

### **How do I buy Dynalene Glycols?**

Whether you need a 5 gallon pail to top-off your system or you need 5,000 gallons to fill your system, Dynalene sells all glycols direct and delivers throughout North America. Just give us a call @ **877-ChillAll** (877-244-5525).

Since we are the manufacturer, you don't have to deal with any middle men and you get the best price available.

## Other Common Questions

### **What percentage of glycol should I put in my system?**

The percentage of glycol will depend on a couple of factors:

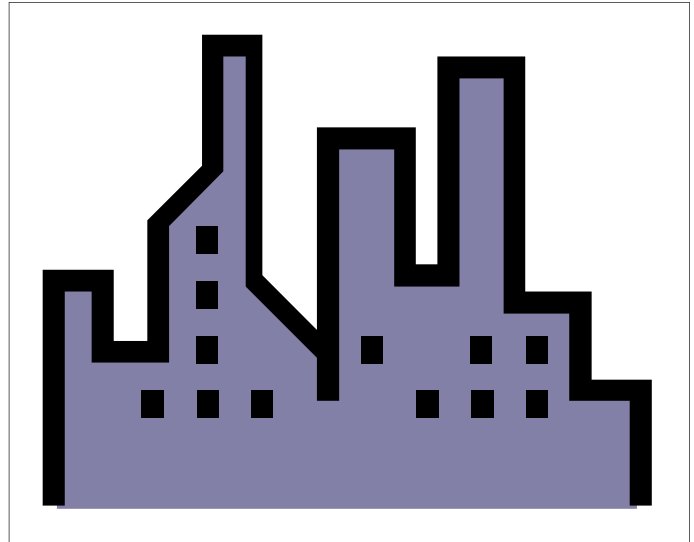
- What type of glycol is in your system?
- What temperature are you looking for freeze protection to?
- What is the lowest temperature you want to operate your system at?

### **How do I figure out what percentage glycol is in my system?**

There are a few ways to answer this:

- You can check it with a refractometer
- You can contact the Dynalene labs and have us check it for you

## GLYCOL GUIDE



Any glycol for your industrial heating and cooling needs

### **Can I use 'car antifreeze' in my industrial heating/cooling application?**

NO...You can not use car antifreeze from your local auto parts store. This type antifreeze has a corrosion/rust inhibitor package that is specially designed for car engines.

### **How long does the glycol last?**

In a properly designed and maintained system your glycol can last for 10, 15 or more

### **What is the advantage of using Dynalene Glycols?**

- Service does not stop at the sale, we offer free once a year lab testing with the purchase of our fluid, to ensure the fluid remains at peak performance
- Technical Support
- Ready to be Shipped
- Readily Available
- Custom formulations

## PROTECT YOUR SYSTEM

Avoid uninhibited glycols. When choosing a glycol for your system, freeze protection is not the only concern. Corrosion/Rust protection is a long term concern. Uninhibited glycols can increase the rate at which your

system will corrode/rust. This happens because the glycol can be exposed to heat and/oxygen. This exposure will breakdown the glycol and form acids that will lower the pH and attack the metals in your system.

The Dynalene inhibitor protects your system by producing a microscopic layer of film on the surface of the metal in your system and not allowing the glycol mixture to come in contact with the metal.