

# Dynalene BioGlycol

## *Inhibited Trimethylene Glycol Heat Transfer Fluid*

### Recommended Temperature Ranges:

**Closed System: -29°C(-20°F) to 121°C (250°F)**

Dynalene BioGlycol® is a domestically produced, non-toxic, renewably sourced fluid. This fluid is an exclusive blend using Susterra™\* propanediol, manufactured by DuPont Tate & Lyle and our highly effective inhibitor package. Dynalene BioGlycol® provides a 30% lower viscosity at low temperatures, compared to traditional petroleum derived propylene glycol.



Dynalene BioGlycol® offers greater thermal stability while possessing similar or better physical properties compared to ethylene and propylene glycol fluids. Dynalene BioGlycol® offers better performance than propylene glycol, while giving its users an environmentally safer product than ethylene glycol fluids.

Dynalene BioGlycol®, “Nature’s First Glycol®”, is an excellent choice for today’s environmentally conscious customer.

Dynalene BioGlycol® a chemistry that you have come to know with better properties.

### Typical Properties of Dynalene BioGlycol

Composition: 1, 3 Propanediol  
Appearance and Color: Clear  
Odor: Sweet

| Property             | SI units | US units  |
|----------------------|----------|-----------|
| Boiling Point:       | 217.4° C | 423.32° F |
| Melting Point:       | -27.7° C | -17.86° F |
| Flash Point:         | 131° C   | 267.8° F  |
| Autoignition Temp:   | 405° C   | 761° F    |
| Refractive Index * : | 1.439    |           |
| Viscosity *:         | 52       |           |

\* - at 20° C (68° F)

For more technical, health and safety information or to request a Material Safety Data Sheet (MSDS), contact our Dynalene sales representative at:  
Phone: **610-262-9686** Fax: **610-262-7437** E-mail: **info@dynalene.com**

\*Susterra is a trademark of DuPont Tate & Lyle Bio Products Company, LLC

# Dynalene BioGlycol

| % by wt | % by Vol | Melting Point<br>°F | Melting Point<br>°C | Specific Gravity<br>at 72°F |
|---------|----------|---------------------|---------------------|-----------------------------|
| 0       | 0        | 31.064              | -0.52               | 1.017                       |
| 5       | 5        | 28.994              | -1.67               | 1.019                       |
| 15      | 15       | 24.656              | -4.08               | 1.023                       |
| 25      | 25       | 16.088              | -8.84               | 1.027                       |
| 35      | 35       | 5.198               | -14.89              | 1.031                       |
| 45      | 45       | -8.68               | -22.6               | 1.035                       |
| 50      | 50       | -16.6               | -27                 | 1.037                       |
| 55      | 55       | -27.382             | -32.99              | 1.039                       |
| 65      | 65       | -49.9               | -45.5               | 1.043                       |
| 75      | 75       | -56.92              | -49.4               | 1.047                       |
| 85      | 85       | -63.94              | -53.3               | 1.051                       |
| 95      | 92       | -31.9               | -35.5               | 1.055                       |
| 100     | 100      | -16.06              | -26.7               | 1.057                       |