



## Technical Data Sheet

# Triethylene Glycol 90%

CFR Chemicals supplies virgin Triethylene Glycol and formulated Triethylene Glycol products for industrial use. CFR's Triethylene Glycol-based products are specifically formulated for use in gas dehydration tower systems. An exclusive inhibitor package blend can be varied depending on gas inlet composition.

### Corrosion Protection

The chemistry employed will effectively protect your industrial equipment whether constructed of single or mixed alloys. The industrial corrosion control inhibitors included have been specially formulated to extend the service life of the process fluid. Therefore, you will receive a higher level of reserve alkalinity, superior performance, and less maintenance requirements through re-inhibiting or through a "bleed/feed" process.

**Recommended Temperature Range:**  
-40°C to 203°C

### Thermal Degradation

Glycol degradation takes place when the glycol is exposed to high temperatures, in the presence of oxygen, oxidizing agents or acidic gas components (eg. CO<sub>2</sub> and H<sub>2</sub>S). This degradation results in the formation of organic acids, specifically, glycolic, formic and acetic acids.

As degradation progresses and the pH of the fluid decreases, the system ultimately becomes acidic and accelerates the corrosion of many metals.

### TEG 90 – Inhibited

Typical Fluid Properties	
Glycol Conc. % Volume	90
Freeze Protection	-21°C
pH	8 to 9.5
Reserve Alkalinity (ability to withstand effects of degradation and turn acidic)	≥2.0 mL
Color	Clear, colorless

### Fluid Maintenance

The **CFR Process Fluid Quality Assurance Program** provides glycol sample analysis and recommendations at no charge to ensure optimal performance.

Glycol sample kits, with bottles and labels are provided to our customers. Upon arrival, our Heat Transfer Laboratory completes a sequence of tests to assess the fluid's present condition. A CFR glycol technical specialist will review each analysis report, and make the appropriate recommendations for maintaining the integrity of the fluid.

### Product Availability

**TEG 90** can be purchased inhibited or uninhibited depending on your requirements.

**TEG 90** freezes at -21°C when stored in an unheated storage tank. The water present will boil off in a dehy system, leaving your system charged with an effective TEG 100.

**CFR Chemicals** distributes its products from various locations across Alberta, Saskatchewan & BC. To inquire about shipping options, please contact your local CFR area representative.

1-877-269-3419  
[www.cfrchemicals.com](http://www.cfrchemicals.com)