

# High Temperature Internal Combustion Engine Coolants



## TECHNICAL DATA SHEET

### GC™ 4th-Gen Ultra Thermal Coolant

Engineered to outperform, built to outlast.

Provides unmatched durability and thermal stability for demanding heavy-duty and industrial engines. Its advanced phosphate-based formulation delivers superior corrosion defense, prevents cavitation, and keeps systems running cooler under extreme conditions. With protection extending up to 15 years or 1,000,000 km, it's the ultimate long-life solution for maximum uptime and reduced maintenance costs.



Technology by:  
 KD Finechem

### GC™ Advantage

- ✓ **Phosphate-Type Premium Ethylene Glycol Coolant**  
Delivers long-lasting thermal stability and corrosion protection without amine, borate, silicate, or nitrite.
- ✓ **Ultra-Long Service Life**  
Protects up to 15 years / 1,000,000 km (or 3 years / 6,000 hours / 350,000 miles for light-duty use).
- ✓ **Heavy-Duty Engine Protection**  
Meets ASTM D6210 for heavy-duty engines, preventing cylinder liner cavitation and protecting high-heat components.
- ✓ **Superior Aluminum Protection**  
Exceptional defense against corrosion on hot aluminum surfaces and high-temperature zones.
- ✓ **Reduces Pump Wear**  
Enhanced formulation improves water pump seal life and reduces component fatigue.
- ✓ **High Thermal Efficiency**  
Breaks the "thermal wall" to ensure faster heat dissipation and more stable engine temperatures.
- ✓ **Versatile Application**  
Ideal for construction, agricultural, industrial, and marine cooling systems.

### GC™ Nano-Coolant 25% Prediluted

Smarter cooling starts at the nano level. Delivers next-generation performance by combining nanotechnology with proven propylene glycol chemistry. This breakthrough formula enhances heat transfer, lowers energy consumption, and extends system life—all while protecting vital components from corrosion. Designed for today's high-density, high-efficiency systems, it helps you cut operational costs, improve reliability, and achieve sustainable performance with every cycle.



Technology by:  
 KD Finechem

### GC™ Advantage

- ✓ **Nano-Enhanced Thermal Efficiency**  
Incorporates advanced nanomaterial additives for up to 15% greater cooling efficiency than conventional fluids.
- ✓ **High-Performance Propylene Glycol Base**  
Provides safe, non-hazardous operation with superior heat transfer and system protection.
- ✓ **Optimized for High-Density Thermal Environments**  
Ideal for data centers, EV systems, and other closed-loop cooling applications.
- ✓ **Improved Viscosity Profile**  
Reduces pumping energy requirements and improves overall system efficiency.
- ✓ **Corrosion & Material Protection**  
Prevents degradation of metal and non-metallic components for longer equipment life.
- ✓ **Stable, Long-Term Durability**  
Maintains performance under continuous thermal stress and extended service intervals.
- ✓ **Customizable Formulation**  
Can be engineered to meet specific targets for electrical conductivity and corrosion resistance.