



PRODUCT DATA SHEET

GIANT ANTIFREEZE

Ethylene Glycol Based Concentrated Engine Coolant with Organic Additive Technology (OAT)

DESCRIPTION

GIANT ANTIFREEZE is formulated to absorb and remove excess heat from the engine block to the radiator so as to prevent overheating and to ensure that the engine operates at its optimally efficient temperatures. The Anti-Freeze properties are also ideal for freeze protection when required at temperatures below freezing point.

The unique blend of Organic Additive Technology (OAT) type of corrosion inhibitors prevents pitting, scale & rust formation, on the metal surfaces of the cooling system. This prevents leakages and extends the lifespan of the cooling system. OAT components are also non-toxic and readily biodegradable. Silicate free - avoids silicate gelation and related fallout issues. Amine, borate, nitrite and silicate free - meeting the basic chemistry requirements of Asian OEM's. Phosphate free - meeting some basic chemistry requirements of European and some North American OEM's.

GIANT ANTIFREEZE can typically last up to 3 years or 100,000 km in Automotive applications, and up to 2 years or approximately 320,000 km in Heavy Duty applications.

PROPERTIES

Physical State	Liquid
Color	Fluorescent Green
pH Value	8 - 10
Solubility in Water	Soluble
Density	1.05 ± 0.03 kg/m ³
Boiling Point (1:1 dilution)	104.4 °C @ 101 kPa
Freezing Point (1:1 dilution)	-13.7 °C

BENEFITS

- Engine warms up quickly.
- Increases cooling efficiency.
- Contains OAT corrosion and rust inhibitors.
- Special additives to protect metal components within cooling system.
- Amine, borate, nitrite, phosphate and silicate free.

TYPICAL APPLICATIONS

GIANT ANTIFREEZE can be used in the cooling systems of automobiles, trucks, vessels, aviation equipment, compressors, motors, generators and other heavy machineries.