



# Eterna Coolant/Antifreeze

## Eterna Heavy Duty 50/50 Pre-Diluted Extended Life Coolant/Antifreeze

Eterna heavy duty 50/50 Pre-Diluted Extended life coolant/antifreeze is a 50:50 mix of pre-diluted Extended Life Coolant and deionized water, used in cooling systems to ensure proper inhibitor levels are maintained. It is a silicate and nitrate free ethylene glycol based fluid which provides protection against freezing, boiling and corrosion

### Features And Benefits

- Eterna 50/50 pre-diluted extended life coolant is free from borates, amines and phosphates.
- Ready to use pre-diluted solution of antifreeze recommended for year round performance – DO NOT ADD WATER
- Chemically stable and protects non-metallic components of engine radiator such as gaskets and hoses.
- Possess excellent hard water stability
- Recommended for use in cooling systems of all type, heavy duty diesel, gasoline and natural gas engine having closed loop coolant circulation system.
- Eliminates the need for SCA's and coolant filters thus saving time and money.
- Low freezing point prevents engine block cracking at low temperature.

### Performance

It meets performance requirements of the following specifications

- ASTM D-3306
- Caterpillar EC-1
- Cummins CES14603
- Ford ESD-M97B-49A
- Detroit Diesel 93K217
- MAN 324
- Volkswagen TL 7748/C
- BMW N600 69
- ASTM D6210
- Suitable for use as coolant/antifreeze in any combustion engine as per OEM recommendation

### Chemical & Physical Properties

These characteristics are typical of current production. Whilst future production will conform to Eterna Specifications, variations in these characteristics may occur.

Characteristics	ASTM/OEM Spec	Eterna 50/50 Ext. Life Typical Characteristics	ASTM Method
Colour	Distinctive	Green	-
Specific gravity@ 60/60°F	1.065 ,min	1.068	ASTM D1298
Chloride	25ppm max	<20 ppm	ASTM D3634
Freezing point °C	< -37°C	- 39°C	ASTM D1177
PH value	7.5 - 11	8.2	ASTM D1287
Boiling point °C	107°C min	+108°C	ASTM D1120
Ash content weight%	2.5 max	< 1.5	ASTM D1119
Reserved alkalinity	Not specified	3	ASTM D1121
Foaming tendencies	150ml vol. max	30 ml max	ASTM D1881
	3 sec. break max	< 1 sec. break time	



### **Storage Requirement**

- Eterna 50/50 pre-diluted extended life coolant should be stored at ambient temperature.
- Exposure to temperature above 30°C should be minimized
- When properly stored in closed container it can stay for more than 8 years without depreciation in product quality

### **Health And Safety**

This product is not expected to produce adverse effect on health when used for the intended purpose whilst maintaining good standards of industrial and personal hygiene

### **Advice**

Advice on applications not covered in this leaflet may be obtained from Eterna Plc, 5a Oba Adeyinka Oyekan Avenue Ikoyi, Lagos State, Nigeria.

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