SPECIFICATIONS

BID FOR: ANTI-FREEZE

The following specifications are for Anti-Freeze that meets the freeze protection, cooling and corrosion resistance needs of both automobile engines **and** heavy duty diesel truck engines.

1. ANTI-FREEZE

Aluminum Engine Formula

General Motors 1825 M, Dex Cool

Specifications

Specific Gravity @ 60/60F (ASTM D-1122)	1.121-1.13
Boiling Point – 100% (ASTM D-1120) Min	325 F
50% (ASTM D-1287) (14 PSI cap) Min	260 F
Foam Test (ASTM D-1881) Max	150ml/5 Sec.
PH, 50% (ASTM D-1287) 100%	8.5-10
Reserve Alkalinity (ASTM d-1121) Min	15
Flash Point, COC (ASTM D-92) Min	248 F
Freeze Point, 50% sol. (ASTM D-1177) Max	-34 F

ANALYSIS

Total Glycols vt.%	95.8
Organic Inhibitors	0.2
Inorganic Inhibitors	1.9
Water, Max	2.1
Ash Content	1.4
Antifoam	Present
Weight per Gallon	9.38
Silicates (Anhydrous). WT. % Max	0.09

2. UNIVERSAL ANTI-FREEZE / COOLANT 50/50

Ethelyne Glycol Based Anti-freeze

50% Ethylene Glycol
40% Water
3% Sodium Nitrate, Potassium Hydroxide, Sodium, Molybdate Dihydrate,
OEM yellow dye

Freeze point -	-34 F
Boiling point -	325 F

3. RECYCLED ANTI-FREEZE

Engine Formula (Green in color)

50% Ethylene Glycol	
40% Water	
10% Inhibitors and antifoam	
OEM green dye	
PH	9.8
Freeze point -	-34
Boiling point	282

Meet all ASTM standards for gas and diesel ferrous and nonferrous metals

Fleet Service HD (Orange/red in color)

50% Ethylene Glycol	
40% Water	
10% inhibitors and antifoam	
OEM orange/red dye	
PH	10.5
Freeze Point	-34
Boiling point	282

Long Life – 5 year or 100,000 miles

Meets all ASTM standards for long life heavy duty gas and diesel all metals