



Shamrock Rock-Cool Orange Antifreeze

Shamrock Global is an Ethylene Glycol based antifreeze and is a universal product, which may be added to vehicles using Orange Antifreeze. It is made with only 100% virgin raw materials. It uses Hybrid Organic Acid Technology(HOAT) and contains no Phosphates, Borates, Nitrates or Silicates. SCA charge may be added for Heavy Duty applications.

Shamrock Rockcool is offered in Concentrate or pre-diluted 50% with Deionized water(ready to use). Contains Bitterant.

Meets or exceeds the following specifications:

ASTM D3306	ASTM D4985	ASTM 4340
ASTM D4656(50%)	ASTM D5345(50%)	TMC RP 302A
Chrysler MS-7170	Cummins 90T8-4	GM1899M
Federal A-A-870	Ford ESD-M97B44-A	John Deere H24C-1
SAE J1034	J.I. CaseJIC501	Mack Truck

Meets the Phosphate and Silicate free requirements of Japanese and European OEMs

Typical Properties(when mixed to 50% with Deionized water):

Parameter	Method	Typical Value with 50% water
Specific Gravity	D1122	1.0687
Ash Content	D1119	1.2% by weight
Foam Test	D1881	30 ml/1.0 sec., Max
pH	D1127	9.0
Reserve Alkalinity	D1121	11 M
Freeze Point	D1177	Minus 34F
Boiling Point	D1120	226F Min
Glassware Corrosion Test	D2809	Pass
Aluminum Corrosion Test	D4340	Pass
Simulated Service Test	D2570	Pass