



E85-R

Sunoco E85-R is an unleaded racing fuel containing 85 volume % ethanol, thats right, 170 proof race fuel. It can only be used in fuel systems designed specifically for E85 blends. Because it is highly oxygenated and requires increased fuel flow compared to conventional non-oxygenated fuels, consult with your fuel injection system or carburetor supplier for correct air/fuel ratio calibrations.

Sunoco E85-R is blended to consistently contain 85% ethanol. Conventional E85 can vary from about 51% to 83% ethanol or so but rarely contains 85% ethanol. Conventional E85 can also vary seasonally; the composition of Sunoco E85-R race fuel does not change. The non-ethanol portion of Sunoco E85-R is comprised of highly-refined race fuel hydrocarbons for stability and consistency. Sunoco E85-R is the racer's fuel of choice where E85 fuels are allowed.

Sunoco E85-R does not contain metallic additives and will not harm oxygen sensors. It should be stored in dark, tightly sealed containers where the temperature is stable. Handled under such conditions, shelf life is in excess of 1 year. Check with your fuel system and fuel container manufacturers for compatibility with ethanol and E85 blends. Please note that due to the high oxygenation of E85-R, the octane values are estimated.

Note: the octane ratings for E85-R are estimates. The conventional ASTM laboratory octane tests cannot accommodate the high oxygen content of fuels like E85-R.

!

DISCLAIMER:
Legal in California only for racing vehicles in sanctioned events. Octane is estimated.

LEGAL:
For off-road and racing applications only.

TECHNICAL DETAILS

Color	Pale Green
Octane (R+M)/2	99
Research Octane	104
Motor Octane	94
Specific Gravity	0.790
Weight (lbs/gallon)	6.6
Reid Vapor Pressure	4.2
10% Evaporation	166
50% Evaporation	169
90% Evaporation	171
Stoichiometric Air/Fuel Ratio	9.8
Oxygen (Weight%)	30
Ethanol (Volume%)	85
Aromatics	6
HC Ratio	2.7
OC Ratio	0.39
Lower Heating Value (Btu/Pound)	12500
Lower Heating Value (Btu/Gallon)	82200
Leaded	No

APPLICATIONS

Asphalt Oval	Off-Road
Dirt Oval	Rally
Drag	Road Course
Miscellaneous Nitrous, Superchargers, Turbochargers	Truck and Tractor Pulling

SANCTIONING BODIES