

How to Make 4 Alternative Fuels at Home: Goodbye, Big Oil!

Ready to make your own gas alternative? These products can give you a start—but energy independence won't come cheaply.

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Ethanol

The **EFuel100 MicroFueller** home-brews ethanol by fermenting a mix of table sugar and nutrient-treated yeast in the system's 250-gal. tank. The resulting fuel, which is 99.9 percent ethanol, can either be stored in the unit or pumped into a gas tank through the 50-ft. hose. It takes 10 to 14 pounds of sugar to produce 1 gal. of ethanol, so the cost of fuel is only as cheap as the feedstock. Available in late 2008.

Production: Up to 35 gal. per week

Price: \$9995

Compatibility: Flex-fuel vehicles; conventional cars if mixed with 90 percent gasoline

