

# Ethanol

## BIOREFINING PROCESS SOURCE

Fermentation of 6-carbon sugars and starches, fermentation of lignocellulosic biomass, wet mill corn processing, dry mill corn processing

## DESCRIPTION

Ethanol, or ethyl alcohol, is a clear liquid used primarily as a fuel additive – specifically, an oxygenate blended with gasoline to reduce net carbon monoxide emissions. The use of ethanol in gasoline is legislatively mandated, which ensures an ongoing market for the fuel.

## PRICE

\$1.28–\$1.40/gallon, depending on corn prices and delivery charges

## MARKET SIZE

3 billion gallons in 2004<sup>1</sup>

## REFERENCES

<sup>1</sup> Jeffries, Tom. Professor of Bacteriology, University of Wisconsin-Madison, Madison, WI. Technical review. (17 May 2004)

Alternative Fuels Data Center. “What is Ethanol?” US Department of Energy. [http://www.afdc.doe.gov/altfuel/eth\\_general.html](http://www.afdc.doe.gov/altfuel/eth_general.html) (23 April 2004)