



## **The Latest on Ethanol and New Research on Isobutanol (Butanol)**

This is an update to what I wrote several years ago on Ethanol. See [Much Ado About Ethanol](#). New research on the affects of ethanol on marine engines has been going on under the sponsorship of NMMA, ABYC, BOATUS, and others. Some of this is a breakthrough. Isobutanol has been found to be an excellent replacement for ethanol, and has none of the drawbacks. It doesn't damage engines and tanks, and doesn't degrade engine performance. More testing needs to be done but this is very encouraging. The EPA may allow usage of Butanol as an alternative to Ethanol. But rather than try to summarize them here I am going to provide links to the articles.

Marine Industry Evaluates Alternative Biofuel

<http://www.soundingsonline.com/news/todays-top-stories/287319-marine-industry-evaluates-alternative-biofuel>

Alcohol And Boat Engines: Is there another way?

[http://www.boatus.com/foundation/findings/new\\_alcohol\\_boating.htm](http://www.boatus.com/foundation/findings/new_alcohol_boating.htm)

Three Ethanol Myths Clarified:

<http://www.boatus.com/magazine/2011/december/ethanol.asp>

NMMA: Isobutanol a promising alternative biofuel :

<http://www.boatingindustry.com/news/2011/11/18/nmma-isobutanol-a-promising-alternative-biofuel/>

Summer Butanol Evaluation Presentation:

<http://www.scribd.com/doc/73160648/Summer-Butanol-Evaluation-Presentation>

Butanol on Wikipedia [http://en.wikipedia.org/wiki/Butanol\\_fuel](http://en.wikipedia.org/wiki/Butanol_fuel)

