

Nouryon

Organic  
peroxides for the  
marine industry



## Focus on our customers' future first

Nouryon is the world's number one in organic peroxides and home to the best known brands in the business. We have a long history in the supply of organic peroxides for the marine market. For example, in the early 1970's we developed Butanox® M-50 and this is still the industry standard. More recently we've led the way with Butanox P-50, our latest curing agent for marine applications. We are constantly working to address our customers' future needs. We look ahead and help you find answers to questions that you will face tomorrow.

## Products

Our range of organic peroxides is the world's largest. Below you can find a summary of the most commonly used peroxides for curing gelcoats and structural layers.

### Peroxides for curing gelcoats

Butanox P-50	High reactivity, fast cure
Butanox M-60	Medium to high reactivity
Butanox M-50	Medium reactivity
Butanox LPT-IN	Very low reactivity

### Peroxides for curing back-up laminates

Butanox M-60	Medium to high reactivity
Butanox M-50	Medium reactivity
Trigonox 75 VRN	Medium reactivity, reduced peak exotherm, for thick laminates
Trigonox 249 VRN	Medium reactivity, reduced peak exotherm, for thick laminates

### Peroxides for curing vinylester resins

Butanox LPT-IN	High reactivity
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Butanox is the world's leading brand of methyl ethyl ketone peroxides (MEKP) where top producers of unsaturated polyester (UP) resins rely on. Butanox is the benchmark in the glassfiber reinforced plastics (GRP) industry. It is recognized as the best MEKP for use across the entire range of reactivity of your UP or VE resin. For over half a century, Butanox has an industry-wide reputation for outstanding product quality, safety and innovation.

For instance our Butanox M-50 and Butanox M-60. These low water-containing methyl ethyl ketone peroxides are free of polar components such as glycols and are the best possible answer to avoid problems of osmosis and blistering in boat building.

If you're looking for methyl ethyl ketone peroxides then Butanox is the brand-of-choice. Butanox, a guarantee of high quality and reliability.

## The best gelcoat results with Butanox P-50

One of our latest developments introduced to the market is Butanox P-50. This innovative methyl isopropyl ketone peroxide is especially designed to achieve better results in ISO or ISO-NPG gelcoats. The product gives a faster cure with less shrinkage compared to standard, thereby enabling a quicker application of the structural layer and a much better finish of the gelcoat.

Butanox P-50 enables due to its faster surface cure a reduction of styrene emission of about 15% compared to standard MEKP's. This is important in the light of reduction of styrene exposure in spray applications.

## Support

Whether optimizing applications, improving efficiencies, resolving difficulties or even designing new curing systems, we're happy to discuss your requirements with you. For more information, please contact your account manager or regional Nouryon sales office.

# Butanox®

Europe, Middle East, India & Africa

[polymer.emeia@nouryon.com](mailto:polymer.emeia@nouryon.com)

North America

[polymer.amer@nouryon.com](mailto:polymer.amer@nouryon.com)

Asia Pacific

[polymer.apac@nouryon.com](mailto:polymer.apac@nouryon.com)

[nouryon.com](http://nouryon.com)

Your partner in essential solutions  
for a sustainable future

# Nouryon