

FOR IMMEDIATE RELEASE**Nomacorc launches first plant-based wine bottle closure using Braskem's green polyethylene**

ZEBULON, N.C. (January 28, 2014) – Nomacorc, the leading producer of alternative wine bottle closures, is the first to create a plant-based closure, Select[®] Bio, using Braskem's I'm green[™] Polyethylene. Green PE is made from sugarcane ethanol, a 100 percent renewable material. Its major advantage is the fact that it is made from raw materials derived from renewable resources, which helps reduce greenhouse gas emissions. I'm green[™] Polyethylene not only removes CO₂ from the atmosphere due to its renewable feedstock but also contributes to reducing the use of fossil fuel. For each ton produced, "green" polyethylene sequesters more than 2.0 tons of CO₂, a significant gain compared to traditional polyethylene*.

Select[®] Bio closures are 100 percent recyclable. The closures mirror Nomacorc's current Select[®] Series portfolio in oxygen management performance. As with other Select[®] Series products, Select[®] Bio minimizes the environmental impact of wines by preventing spoilage and waste from wine faults such as oxidation and reduction. By consistently delivering the right amount of oxygen into the bottle using a carbon neutral closure, sustainability-minded wineries will now be able to deliver their wines just as they intend.

"Braskem is a strong organization with a history of creating reliable, sustainable polymer materials for leading manufacturers around the world," said Dr. Olav Aagaard, Nomacorc's principal scientist. "By using Braskem's sugar-cane based green polyethylene, we can confidently offer to our customers a carbon neutral wine closure which will not only be consistent and optimal for their wines, but also now allows them to create a more sustainable packaging solution."

Braskem has been making I'm green[™] polyethylene since 2010 in its Triunfo Plant in the state of Rio Grande do Sul, in the south region of Brazil. The plant's capacity is 200 kton/year and the total investment amounts to U.S. \$290 million. Using agricultural products as a sustainable alternative to fossil fuel to produce materials has great potential in Brazil. Brazil has approximately 330 million hectares of arable land of which 67% is in use. Sugarcane cultivation uses 9.2 million hectares which is highly concentrated in the state of Sao Paulo (which is located more than 1,200 miles (2,000 kilometers) from the Amazon region). Expansion of sugarcane fields is highly regulated to be done in a sustainable way. Brazil is producing annually more than 8 billion gallons (30 billion liters) of bio-alcohol of which only 2.3% is used to make I'm green[™] polyethylene.

"Braskem is excited that Nomacorc, the global leader in wine closures, has chosen Braskem's I'm green[™] Polyethylene to develop a more sustainable wine closure solution. With this, Nomacorc is showing its leadership position in the market and their drive to innovate in developing more sustainable solutions for their customers," said Marco Jansen, Braskem's Renewable Chemicals Commercial Director for Europe and North America.

(more)

ABOUT NOMACORC

Nomacorc is a worldwide leader in wine closures and the No. 1 closure brand for still wines in many countries including France, Germany and the United States. Dedicated to technological innovation, Nomacorc manufactures its portfolio of products using a patented co-extrusion process. As a result, Nomacorc closures provide consistent, predictable oxygen management and protect against off-flavors due to oxidation, reduction or cork taint. Nomacorc's 100 percent recyclable products are available through a vast network of distributors and sales agents on six continents. With 500 employees worldwide and state-of-the-art manufacturing facilities in the United States, Belgium, China and Argentina, Nomacorc produces more than 2 billion closures annually. Working with renowned wine research institutes worldwide, the company leads the wine closure industry in fundamental and applied research into oxygen management in wine. For more information, visit nomacorc.com or follow Nomacorc on [Twitter](#) (@Nomacorc) and [Facebook](#) (Nomacorc).

ABOUT BRASKEM

Braskem is the largest producer of thermoplastic resins in the Americas and the world's leading biopolymers producer, manufacturing green polyethylene from sugarcane-based ethanol. With 36 industrial plants in Brazil, the United States and Germany, the company produces over 35 billion pounds of thermoplastic resins and other petrochemicals per year, creating more environmental-friendly, intelligent and sustainable solutions through chemicals and plastics that improve people's lives.

Braskem is a component of the Dow Jones Sustainability Index Emerging Markets, the Carbon Efficient Index (ICo2) and the Corporate Sustainability Index of the BM&FBovespa – Securities, Commodities and Futures Exchange. Braskem is a member of the United Nations' platform for more sustainable industries and its sustainability annual report is rated level A+.

Braskem America is the leading producer of polypropylene in the United States, with five production plants located in Texas, Pennsylvania and West Virginia, and a Technology and Innovation Center in Pittsburgh. Headquartered in Philadelphia, Braskem America is a wholly owned subsidiary of Braskem S.A. For more information, visit www.braskem.com

*based on Braskem cradle to gate Eco efficiency analysis done by Fundação Espaço Eco, 2007

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