



FIBRIA CELULOSE S.A.

Publicly-Held Company

Corporate Taxpayer's ID (CNPJ/MF): 60.643.228/0001-21

Company's Registry (NIRE): 35.300.022.807

MATERIAL FACT

In accordance with the provisions of article 157, paragraph 4, of Law No. 6,404/76 as amended (the "Brazilian Corporate Law"), and CVM Instruction No. 358/2002, as amended, **FIBRIA CELULOSE S.A.** (BM&FBOVESPA: FIBR3 | NYSE: FBR) ("**FIBRIA**" or the "**Company**") informs the market that **FIBRIA** has established a strategic alliance with Ensyn Corporation ("**Ensyn**"), a private company incorporated in Delaware, USA. This alliance includes a US\$20 million equity investment in **Ensyn** by **FIBRIA** and the establishment of an equally-owned joint venture to be incorporated in Delaware for future investments in the production of cellulosic liquid fuels and chemicals in Brazil.

Ensyn has developed the commercially-proven Rapid Thermal Processing™ ("**RTP**") technology, which converts wood and other non-food biomass into renewable liquid fuels and chemicals. **Ensyn's** key renewable liquid fuel, Renewable Fuel Oil™ ("**RFO**"), is a multi-purpose petroleum replacement fuel with uses including heating, conversion to transportation fuels and power generation in diesel engines.

RFO is eligible, for certain applications, for inclusion under the cellulosic biofuels category of the U.S. Environmental Protection Agency's (EPA's) RFS2 (Renewable Fuel Standard) program. This allows **Ensyn**, within the mandate of the RFS2 program, and as a result of regulatory obligations, to capture additional value for sales of **RFO** within the U.S., regardless of the geographical location of its production.

Ensyn has historical production of over 30 million gallons of **RFO** and is currently executing a significant build-out of **RFO** production capacity in North America and internationally. **Ensyn** has a key strategic relationship with UOP, a Honeywell Company, related to the engineering and supply of **RTP** equipment and **RFO** upgrading solutions on a worldwide basis. **Ensyn's** current shareholders include Credit Suisse, Impax Asset Management plc, CTTV Investments LLC, a division of Chevron USA Inc., Felda Palm Industries Sdn Bhd, and Investeco Capital Corp.

The \$20 million equity investment by **FIBRIA** in **Ensyn** capital provides **FIBRIA** with ownership of approximately 6% of **Ensyn** voting shares and the right to nominate one member to **Ensyn's** Board of Directors. It also provides **FIBRIA** certain rights which, if exercised, would allow **FIBRIA** to invest an additional \$10 million and increase its holdings to as much as 9% of **Ensyn's** equity capital.

This partnership with **Ensyn** goes along with our mission to leverage both our expertise in growing fiber and our market position to develop value-added alternatives that complement our global leadership and excellence in pulp production. We believe that **Ensyn** and its technology platform, together with **FIBRIA's** capabilities, might allow for the generation of a powerful biofuels growth business over the coming years.

This transaction is set to be closed by the end of October, with the execution of all partnership and equity investment documents and the effective cash transfer to **Ensyn**.

São Paulo, October 2, 2012.

FIBRIA CELULOSE S.A.

GUILHERME PERBOYRE CAVALCANTI

FINANCIAL AND INVESTOR RELATIONS DIRECTOR