



**FOR IMMEDIATE RELEASE**

**TSX symbol: SBS**

## **Botaneco Announces Launch of Second Generation Oleosome Product**

*Natural Hydresia™ G2 Offers Enhanced Formulation Flexibility With a Globally Accepted Preservative System*

**Calgary, Alberta** – April 14, 2008 - Botaneco, a wholly owned subsidiary of SemBioSys Genetics Inc. (TSX: SBS), focused on the development and commercialization of oleosome technology in personal care, OTC and topical pharmaceutical markets, today announced the launch of its second generation oleosome product, Hydresia™ G2, at the In-Cosmetics 2008 exposition in Amsterdam. Hydresia™ G2, a natural emulsion base, retains all of the functional performance properties of Botaneco's first generation Hydresia™ product, while offering formulators the ability to develop products over a broader pH range (3.5-8.5). This will allow for the development of low pH exfoliants and anti-aging products that can provide consumers with the moisturization, skin health and aesthetic benefits that Hydresia™ brings to other finished formulations. In addition, Hydresia™ G2 uses a new globally accepted preservative system that will expand the use of oleosomes in European and other markets.

"Botaneco is committed to developing ingredients that allow our customers to provide differentiated products that offer both performance and aesthetic benefits to consumers," said Andrew Baum, President and CEO of Botaneco's parent company, SemBioSys. "Hydresia™ G2 can be used in moisturizers, hair and skin cleansers, lip care, color cosmetics, skin lighteners, sun care and baby care products just like our first generation Hydresia™ product. In addition to these applications, Hydresia™ G2 can also be used in products where requirements for low pH have precluded the use of Hydresia™. We are excited about the opportunity to expand our product offerings in North America, as well as expanding into European and Asian markets."

Hydresia™ G2, as well as the first generation Hydresia™ product, each allow cosmetic and health care formulators to develop new products using "cold-processing" which reduces formulation and processing time by an order of magnitude.

Botaneco's proprietary Hydresia and Hydresia™ G2 products are natural emulsifiers comprised of oleosomes, natural oil carrying structures derived from safflower seeds. Oleosomes are nature's warehouse, or storage facility, for the emollient oils, antioxidants and natural moisture barriers that serve to keep the skin soft, supple and young looking. Using a proprietary non-solvent aqueous extraction process, these oleosomes are isolated from the seed fully intact, and when used in skin care applications can provide lasting protection to the skin. Hydresia™ and Hydresia™ G2 are natural, renewable replacements for hydrocarbon derived petrolatum, mineral oil and non-ionic surfactants.

### **About Botaneco**

Botaneco is the global developer and marketer of innovative oleosome-based ingredients to the personal care and OTC topical markets. As a technologically driven provider of high

performance, proprietary oleosome based ingredients, Botaneco is committed to developing groundbreaking ingredients that offer multifunctional, tangible and documented benefits to both formulators and consumers. Botaneco's manufacturing facility is located in Calgary, Canada while its sales and marketing and research and development laboratories are in Bensalem PA. More information is available and can be accessed at [www.botaneco.ca](http://www.botaneco.ca).

### **About SemBioSys (TSX:SBS)**

Calgary, Alberta-based SemBioSys Genetics Inc. is a biotechnology company developing protein-based pharmaceuticals for metabolic and cardiovascular diseases. The Company's lead pharmaceutical candidates, produced in the plant host safflower, are recombinant human insulin, to serve the rapidly expanding global diabetes market and Apo AI, a next generation cardiovascular drug. In addition to its pharmaceutical products, SemBioSys is developing a series of non-pharmaceutical products addressing human topical, nutritional oils and agricultural biotechnology markets. More information is available and can be accessed at [www.sembiosys.com](http://www.sembiosys.com).

*This press release contains certain forward-looking statements, including, without limitation, statements containing the words "believe", "may", "plan", "will", "estimate", "continue", "anticipate", "intend", "expect" and other similar expressions which constitute "forward-looking information" within the meaning of applicable Canadian securities laws. Forward-looking statements reflect the Company's current expectation and assumptions, and are subject to a number of risks and uncertainties that could cause actual results to differ materially from those anticipated. These forward-looking statements involve risks and uncertainties including, but not limited to, changing market conditions, the successful and timely completion of clinical studies, the establishment of corporate alliances, the impact of competitive products and pricing, new product development, uncertainties related to the regulatory approval process and other risks detailed from time-to-time in the Company's ongoing filings with the Canadian securities regulatory authorities which filings can be found at [www.sedar.com](http://www.sedar.com). Given these risks and uncertainties, readers are cautioned not to place undue reliance on such forward-looking statements. The Company undertakes no obligation to publicly update or revise any forward-looking statements either as a result of new information, future events or otherwise, except as required by applicable Canadian securities laws.*

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