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Ashland introduces new formulation concepts for anti-acne solutions

New formulation concepts designed to improve the efficacy and refine the usability of acne care formulations with scientific and sensory benefits

BRIDGEWATER, New Jersey, February 1, 2017 – A new anti-acne formulation kit from Ashland is available to help formulators of cosmetic and over-the-counter (OTC) products develop answers to on-going market needs. As acne continues to affect millions of consumers, Ashland continues to develop specialty ingredients and formulation pathways to help the personal care industry develop effective acne care products more easily.

Built upon Ashland's portfolio of specialized ingredients supported by application, measurement and consumer science, the kit includes six new formulations that have been designed to address formulation challenges associated with active delivery, formulation stability and formulation mildness, while also providing elegant sensory benefits.

"We are always solving. By combining our specialty polymers, rheology modifiers and biofunctionals, Ashland offers a galenic approach to help optimize the performance of acne active ingredients, soothe irritated skin, and enhance the skin barrier function while creating formulation textures to enhance consumer compliance," said Justine Cotton, global marketing manager, skin care biofunctionals, Ashland. "We're excited to be able to demonstrate our offering and share this formulation kit so that our customers can leverage our technology in their formulations."

In the kit, Ashland showcases solutions in multiple product forms that illustrate how Ashland's products can be used to benefit acne care formulations across three main stages of application:

- 1 **Pre-treatment** – A toner and cream from Ashland's Balance & Clear concept can support a healthy physical and biochemical skin barrier, prevent pores from clogging, enable mild exfoliation and soothing effects to help address acne before it occurs.
- 1 **Treatment** – A clarifying cleanser is designed to help to clear clogged pores with efficient deposition and controlled release of salicylic acid, while concepts for a spot cream and anti-acne gel can reduce tack and offer a soft and cushiony finish.
- 1 **Post-treatment** – A Blemish Soothing moisturizer to help soothe skin and limit the appearance of post-acne marks.

Each of the formulations utilizes a combination of Ashland's ingredients that were each carefully selected due to its application and performance benefits. These ingredients include: FlexiThix™ and Stabileze™ QM polymers to help deliver acne actives, ProLipid™ lamellar gel and Lubrajel* hydrogel for moisturization and formulation texture, Vital ET™ biofunctional to help manage inflammation *in vitro* and acne-redness, and Elixiance™ biofunctional for skin purifying benefits.

About Ashland

Ashland Global Holdings Inc. (NYSE: ASH) is a premier global specialty chemicals company serving customers in a wide range of consumer and industrial markets, including adhesives, architectural coatings, automotive, construction, energy, food and beverage, personal care and pharmaceutical. At Ashland, we are 6,000 passionate, tenacious solvers - from renowned scientists and research chemists to talented engineers and plant operators - who thrive on developing practical, innovative and elegant solutions to complex problems for customers in more than 100 countries. Ashland also maintains a controlling interest in Valvoline Inc. (NYSE: VVV), a premium consumer-branded lubricant supplier. Visit ashland.com to learn more.

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* Lubrajel is a registered trademark of United-Guardian, Inc.