

Solvay's PPSU polymer enables innovative breastfeeding system from Hegen

Alpharetta, Ga., July 25, 2017 --- Solvay, a leading global supplier of specialty polymers, announced last week at the Children-Baby-Maternity Expo (CBME) in Shanghai that its high-performing polyphenylsulfone (PPSU) polymer and materials expertise enabled Singapore-based Hegen Pte. Ltd. to develop a revolutionary Press-to-Close, Twist-to-Open PCTO™ stackable, square-shaped baby bottle design – the world's first patented no screw thread closure. Solvay's PPSU offered Hegen a unique combination of safety, durability and comfort versus conventional polymers or glass.

By eliminating the conventional screw top neck, Hegen's PCTO™ design allows parents to easily press on and twist off bottle lids with zero spillage. Hegen also applied its PCTO™ design to a manual breast pump, which allows mothers to 'Express-Store-Feed' with a single container. By using these products together, Hegen's baby bottle can convert from a storage container to a feeding bottle in less than five seconds, and it eliminates the need to transfer breastmilk from one container to another.

Solvay's PPSU offers a safe, shatter-proof option for Hegen's product designs. It is a naturally amber-colored, transparent polymer that resists stains, does not absorb odors and is free of artificial pigments, phthalates or Bisphenol A (BPA). The material complies with food-contact regulations established by U.S., European and Chinese government agencies, and its inherently non-stick surface ensures that all the bottle's breastmilk is passed on to infants during feeding.

Solvay's PPSU enables Hegen's bottle to perform reliably at temperatures between -20°C and 180°C (-4°F and 356°F), which makes it dishwasher-safe and resistant to more than 1,000 sterilization cycles without affecting its toughness or impact strength.

"Hegen's business strategy aims to provide simple, practical and innovative solutions that improve and promote the breastfeeding experience," said Yvon Bock, Founder and Managing Director, Hegen Pte. Ltd. "Solvay contributed an important part of that mission by providing a safe and durable PPSU polymer to create a product of the highest quality that can truly grow with your child."

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Solvay

Solvay is a multi-specialty chemical company, committed to developing chemistry that addresses key societal challenges. Solvay innovates and partners with customers in diverse global end markets. Its products and solutions are used in planes, cars, smart and medical devices, batteries, in mineral and oil extraction, among many other applications promoting sustainability. Its light weighting materials enhance cleaner mobility, its formulations optimize the use of resources and its performance chemicals improve air and water quality. Solvay is headquartered in Brussels with around 27,000 employees in 58 countries. Net sales were € 10.9 billion in 2016, with 90% from activities where Solvay ranks among the world's top 3 leaders. Solvay SA ([SOLB.BE](#)) is listed on Euronext Brussels and Paris (Bloomberg: [SOLB.BB](#) - Reuters: [SOLB.BR](#)) and in the United States its shares (SOLVY) are traded through a level-1 ADR program.

Solvay Specialty Polymers

Solvay Specialty Polymers manufactures over 1500 products across 35 brands of high-performance polymers – fluoropolymers, fluoroelastomers, fluorinated fluids, semi-aromatic polyamides, sulfone polymers, ultra-high performance aromatic polymers, and high-barrier polymers – for use in Aerospace, Alternative Energy, Automotive, Healthcare, Membranes, Oil and Gas, Packaging, Plumbing, Semiconductors, Wire & Cable, and other industries. Learn more at www.solvayspecialtypolymers.com.

Hegen Pte. Ltd.

Hegen believes in creating sustainable and high quality products that can continually be evolved to meet the different needs of the growing child. Designed to enhance the user experience, Hegen's revolutionary, practical and multi-functional products encourage a sustainable and hassle-free nursing experience. Learn more at <https://www.hegen.com>.

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Solvay's high-performing polyphenylsulfone (PPSU) polymer technology provided a unique combination of safety, durability and comfort for a revolutionary new baby bottle design developed by Singapore-based Hegen Pte. Ltd. Photo courtesy of Hegen Pte. Ltd.