



Progress beyond

Solvay and Hegen Partner to Bring the First Baby Bottle Made with Recycled Content to the Market

High-purity food-contact grade polymer in line with international safety standards for child care products, based on certified circular feedstock

Brussels, September 11, 2023

Solvay, a leading global supplier of specialty materials, has entered into a strategic partnership with Hegen Pte Ltd for the use of sustainable Duradex™ polyphenyl sulfone (PPSU) mass balance attributed in Hegen's premium line of Press-to-Close, Twist-to-Open™ (PCTO™) baby feeding bottles. The circular, non-fossil feedstock content of the PPSU grade is third-party mass balance certified, meeting the end customers' expectations for more sustainable products. Duradex™ PPSU is an amorphous, naturally amber-transparent polymer, free of artificial pigments, phthalates and bisphenols, such as BPA.

"Brand owners and manufacturers in the child care market are increasingly seeking to improve the sustainability of their products without compromising safety, efficiency or convenience," says Guillaume Meunier, Head of Marketing, Life Solutions at Solvay Materials. "Hegen's baby feeding and drinking bottles are widely acknowledged for their high quality and use the highest-purity materials to ensure a healthy and comfortable feeding experience for both mother and child. We are very pleased to announce that the company has decided to adopt our mass-balance certified PPSU for molding their iconic bottles."

"We are excited about this strategic material partnership with Solvay, which will help us further reduce the environmental impact of our baby feeding bottles in line with our ambitious sustainability roadmap," adds Yvon Bock, founder and CEO of Hegen. "The circular Duradex™ polymer exhibits the same high-performance properties as the previous material used in molding our premium Hegen PCTO™ bottles, including excellent processability and uncompromising durability, which makes it a very efficient drop-in alternative to all-fossil PPSU solutions."

Duradex™ PPSU MB is linked to 54% allocated circular, non-fossil feedstock, which is third-party mass-balance (MB) verified under the [International Sustainability & Carbon Certification PLUS](#) (ISCC PLUS) mass balance accounting regime. The MB accounting approach provides a reliable method of tracing the feedstock content from the material production to the final application.



In addition, Solvay's Duradex™ PPSU MB polymer is high scratch resistant and stain resistant, does not absorb odors and delivers an inherently non-stick surface. It combines exceptional hydrolytic stability and shatter-proof toughness with high heat resistance. These properties also qualify the lightweight, ergonomically shaped and wide-opening bottles for more than 1,000 steam or hot water sterilization as well as dishwasher cycles without the risk of any damage.

Hegen's PCTO baby feeding bottles will be showcased at Solvay's booth at the Fakuma 2023 show (Booth 4213 in Hall B4) and both companies are committed to bringing the first mass balanced PPSU baby bottle to the market by 2024.

Duradex™ is a trademark of Solvay.

Twist-to-Open™ and PCTO™ are trademarks of Hegen.





Solvay and Hegen have entered into a strategic partnership for the use of mass balance circular Duradex™ polyphenyl sulfone (PPSU) MB in Hegen’s premium line of Press-to-Close, Twist-to-Open™ (PCTO™) baby feeding bottles. (Photos: Solvay, PR096)

About Solvay

Solvay is a science company whose technologies bring benefits to many aspects of daily life. With more than 22,000 employees in 61 countries, Solvay bonds people, ideas and elements to reinvent progress. The Group seeks to create sustainable shared value for all, notably through its Solvay One Planet plan crafted around three pillars: protecting the climate, preserving resources and fostering better life. The Group’s innovative solutions contribute to safer, cleaner, and more sustainable products found in homes, food and consumer goods, planes, cars, batteries, smart devices, health care applications, water and air purification systems. Founded in 1863, Solvay today ranks among the world’s top three companies for the vast majority of its activities and delivered net sales of €13.4 billion in 2022. Learn more at www.solvay.com.

About Hegen

Hegen Pte Ltd was established in Singapore in 2015 and champions sustainability through innovative, practical and high-quality baby feeding systems that can be easily converted and repurposed to meet the evolving needs of a child, hence extending the lifespan beyond a bottle. The iconic ergonomically-shaped Hegen Sqround™ (square-round) bottles are modular, multi-functional and designed with a patented Press-to-Close, Twist-to-Open™ non-screw thread closure for easy handling – which in turn improves the lives of customers. Hegen’s commitment goes beyond creating products. The Hegen Lactation Centre represents the brand’s core value as the company strives to provide a holistic experience for its community through education, full lactation consultations and training services. Hegen is currently available in 24 international markets: Bahrain, Cambodia, Canada, China, Hong Kong SAR, Indonesia, Israel, Japan, Kuwait, Macau SAR, Malaysia, The Netherlands, Oman, Philippines, Qatar, Saudi Arabia, Singapore, South Korea, Taiwan ROC, Thailand, The United Arab Emirates, The United Kingdom, The United States, and Vietnam. For more information, please visit www.hegen.com.



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