Progress beyond

Solvay develops industry-first specialized UV-C stabilizers for the protection of polyolefin surfaces

Proprietary technology designed to protect UV-C disinfected surfaces against degradation and discoloration

Brussels, July 12, 2022

Solvay, a global market leader in specialty materials, has announced the development of an innovative new portfolio of UV-C stabilizers. They are designed for use in demanding hygiene applications, where polyolefin surfaces are treated with ultra-violet (UV) light of the UV-C spectrum (200-280 nm) to fight against COVID and hospital-acquired infections. The new proprietary stabilization technology represents an important milestone for the polyolefin industry, as it is the first to address the risk of polyolefin degradation, discoloration and micro-crack formation, which is caused by frequent exposure to UV-C irradiation.

"Healthcare and other markets, such as aerospace and shared mobility, are increasingly using UV-C light to disinfect high-contact surfaces in an effort to combat pathogens, including coronaviruses," says Sophie Poelmans, Global Marketing Manager for Polymer Additives at Solvay Materials. "Our new UV-C stabilization technology helps end users achieve effective UV-C disinfection levels on surfaces made from polyolefins without compromising the performance of the material."

UV-C radiation can deactivate microorganisms and has been scientifically proven to be effective against coronaviruses. However, the proven germicidal action of UV-C also exposes the treated surfaces to much higher ultraviolet energy than that covered by traditional UV-A and UV-B stabilizers, resulting in the potential for faster material degradation. Solvay, a member of the International Ultraviolet Association (IUVA), has leveraged its extensive expertise in polymer additives to develop a technology that is purpose-engineered to enable the use of UV-C light as an anti-microbial disinfectant on polyolefin surfaces, while safely protecting them against UV-C induced degradation.

Solvay's new UV-C stabilization technology is targeted at a wide range of polyolefin applications, including medical equipment in operation and patient rooms, aircraft and shared vehicle interiors, and sporting venues.

You can find out more on the Solvay website or by visiting Solvay at the k 2022 in Düsseldorf, from October 19-16 in Hall 6, Booth C61.

Contacts

Media relations
Enrico Zanini
+39 338 603 4561
enrico.zanini@solvay.com

Wissem Chambazi
+33 645 41 58 70
wissem.chambazi@solvay.com

About Solvay

Solvay is a science company whose technologies bring benefits to many aspects of daily life. With more than 21,000 employees in 63 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 roadmap crafted around three pillars: protecting the climate, preserving resources and fostering a 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 €10.1 billion in 2021. Solvay is listed on Euronext Brussels and Paris (SOLB). Learn more at www.solvay.com.

Follow us on Twitter @SolvayGroup

Ce communiqué de presse est également disponible en français.

Dit persbericht is ook beschikbaar in het nederlands.