

Covestro signs first global agreement to supply TDI to Sinomax

Covestro has signed its first commercial contract for supplying its ISCC Plus certified polyurethane raw material TDI from mass-balanced feedstock to Sinomax, a global manufacturer and distributor of polyurethane-based comfort products, as it continues to help downstream industries reduce their carbon footprint with a broader portfolio of more sustainable raw materials.



The first batch of the bio-attributed TDI via mass balance is expected to be delivered from Covestro Integrated Site Shanghai in the first quarter of 2022, and be applied to Sinomax's medium and high-end product lines for mattresses, pillows and mattress toppers. Both partners signed an agreement to this effect at the Hong Kong office of Covestro on December 15. Covestro and Sinomax, based in Hong Kong, China, also agreed to extend their regional partnership to a global scale, with Sinomax scaling up their operations in the United States.

TDI (toluene diisocyanate) is a key building block of polyurethane flexible foams, which are widely used in the furniture, automotive, and shoe industries. It can also be used in the production of polyurethane coatings and adhesives.



Eric Cheung, President of Sinomax said, "We have been working hard to reduce carbon emissions, and Covestro's mass-balanced TDI products can effectively help us meet emissions reduction goals. With a global footprint, Covestro has sufficient, stable and fast delivery capacity in major markets, which is crucial to our global development."

"With this mass-balanced lower-carbon-footprint TDI, we are further enriching our broad portfolio focused on the circular economy, in response to the rising demand for more sustainable products," said Sucheta Govil, Chief Commercial Officer of Covestro. "By helping an increasing number of customers and value chain partners across industries meet their sustainability targets, we are accelerating the transition to the circular economy together.

"Mass balance is a chain of custody method that allows fossil and alternative feedstock to be mixed in production, but separated in bookkeeping. It is able to track materials through the value chains and allows attribution of alternative feedstock, like bio-based raw materials, to selected end products.

"With this new approach of incorporating sustainable raw materials into our TDI, the reduction of CO2 footprints in the flexible foam industry can be accelerated immediately and also become easily scalable. We are excited to take this first step globally here in Asia Pacific with our partner Sinomax that shares our vision and commitment towards the circular economy," outlines Marius Wirtz, Head of Sales in the Performance Materials segment of Covestro in the Asia Pacific region.

Covestro earlier received the ISCC Plus certification for its Shanghai production site. Now the site is able to offer Asia Pacific customers large volumes of TDI, in addition to polycarbonate and MDI with alternative feedstock attributed via mass balance. These products are in the same good quality as their fossil-based counterparts and can be used as a drop-in solution, meaning they can be implemented in existing production processes without the need for technical modification.

Source from PUdaily. For original text, please visit the following website.

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