



Progress beyond

Solvay receives ISCC PLUS mass balance certification for bio-circular DMAPA manufacturing in Zhangjiagang, China

Use of bio-circular raw material to manufacture Fentamine[®] DMAPA UP improves the environmental footprint of home and beauty care products.

Brussels, December 7, 2022

Solvay announces that its Zhangjiagang plant in China has been certified under the mass balance regime of the [International Sustainability and Carbon Certification \(ISCC\) PLUS](#) system for manufacturing bio-circular Fentamine[®] DMAPA¹ UP. This chemical intermediate is key to manufacturing the Mirataine[®] range of surfactants, which are used in several [home, hygiene](#) and [beauty care](#) applications spanning from dishwashing liquids to surface cleaners and from shampoos to body washes.

“The growing consumer demand for natural ingredients in their home and beauty products led to collaborative innovation with brand owners to help minimize their fossil-based raw materials consumption and reduce their carbon footprint,” says Jean-Guy Le Helloco, Business Vice President, Home and Beauty Care at Solvay. “Our switch to mass balance certified, bio-circular ingredients for the home and beauty care industry contributes to that effort.”

The [ISCC PLUS-compliant mass balancing](#) is a globally acknowledged industry standard that provides a defined set of rules for tracking and tracing the content of circular and renewable feedstock in materials across value chains. As a result, users of certified materials can claim a reduced environmental footprint for their formulations, and brand owners can document the improved sustainability toward consumers.

In order to maximize the overall positive environmental effect of adopting a bio-circular feedstock, a complete life-cycle analysis of the end-products starting from the initial raw material was carried out. This confirmed that beyond naturality and CO₂ reduction claims, the raw material switch also positively influences the overall impact of the product on the ecosystem.

Solvay’s bio-circular Fentamine[®] DMAPA UP and its mass balance certification fully align with the [Solvay One Planet](#) roadmap and with ambitious sustainability targets of major customers in the fast-moving consumer goods (FMCG) industry seeking carbon neutrality by 2040 or earlier.

¹ dimethylaminopropylamine



The ISCC PLUS certified Fentamine[®] DMAPA UP will be further used by Solvay in 2023 to manufacture circular mass-balance ingredients for home and beauty care under the "UP" product lines.



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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 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 €10.1 billion in 2021. Solvay is listed on Euronext Brussels (SOLB) and Paris. Learn more at www.solvay.com.



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