

INTERNATIONAL PEST CONTROL



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45 years of innovation, growth, and a vision for the future

ENDURA S.p.A*



Endura Plant, The Chemical Hub, Ravenna (Italy).

Endura has marked a pivotal moment in its history with four major milestones: the inauguration of its state-of-the-art headquarters, the celebration of its 45th anniversary, the launch of its new PBO Prime product and the unveiling of a new website. These achievements signify Endura's continued evolution, redefining industry standards through quality, responsibility, and innovation.

Innovation and growth

Endura's new headquarters is not just a larger, more modern facility, it has been intentionally designed to enhance team synergy, drive innovation, and optimise processes.

"Our new headquarters is a strategic foundation that will allow us to better serve our clients and partners while

strengthening our leadership position in the industry," says Marianna Vollaro, CEO of Endura S.p.A. "We have created a dynamic environment where collaboration, research, and sustainability shape every decision."

Located in Bologna (Italy), this advanced facility reflects Endura's core values: operational efficiency, technological innovation, and environmental responsibility. Through targeted investments, Endura continues to expand its production capacity, ensuring high-quality solutions for clients worldwide.

45 years of leadership

In 2025, Endura proudly celebrates 45 years of excellence in pest control.

"Marking 45 years is a tribute to our journey of growth, dedication, and commitment to serving our clients and employees. We embody the 'Made in Italy' tradition, combining craftsmanship with

cutting-edge technology to deliver outstanding solutions," says Vollaro.

Since its inception, Endura has excelled in regulatory compliance, technical advancements, logistics, and customer service. Its highly skilled team remains the backbone of the company, ensuring that every product upholds the highest standards of quality and ethics.

Looking ahead, Endura remains committed to driving innovation, with a focus on developing sustainable solutions for a safer, healthier environment. This anniversary is not just a reflection of past achievements but a promise for the next 45 years of excellence and industry leadership.

Fine chemicals with sustainability in mind

Endura is pleased to announce the launch of Piperonyl butoxide (PBO) Prime, a milestone innovation introduced in celebration of the company's 45th anniversary. PBO



Marianna Vollaro, CEO of Endura.



PRIME is a premium, high-grade synergist, it has the world's lowest levels of the impurities dipiperonyl ether (DPE) and dipiperonyl methane (DPM), well below the threshold for potential classification as persistent, bioaccumulative, and toxic (PBT) and/or very persistent and very bioaccumulative (vPvB).

PBT and vPvB classifications are based on the properties of the active substance and on the presence, over certain thresholds, of impurities classified as PBT and vPvB. While PBO itself is not a PBT nor a vPvB substance, the two potential impurities in PBO, DPM and DPE, could fulfill PBT and vPvB criteria. If confirmed to be PBT and vPvB, these two impurities when present in PBO at levels above the CLP threshold could result in the classification of the PBO and/or any biocidal products containing the PBO, as PBT or vPvB. PBO Prime is also fully compliant with the Biocidal Products Regulation (BPR) approval of PBO.

In 1999, Endura launched the world's first synthetic production of PBO through an environmentally friendly and sustainable process developed to avoid Sassafras

tree deforestation. PBO had been historically produced from safrole, a component of sassafras oil obtained from the tree by a destructive process that is reported as requiring about 70 kg of sassafras wood to make only 1 kg of PBO.

Now thanks to its new distillation process (patent pending), Endura has taken another step towards a more sustainable future by reducing the environmental impact of PBO thanks to achieving the minimum amounts of DPE and DPM, both of which could be classified as PBT or vPvB impurities.

"We push the boundaries of knowledge and smart solutions through continuous improvement of PBO. Committed to responsible care and sustainability, we shape a future where innovation empowers and simplifies lives – always with a strong customer focus," explained Vollaro.

Endura laboratory.

A trusted partner in pest control chemistry

In 2025, Endura also unveiled a completely redesigned website (www.endura.it) a milestone that reflects the company's ongoing commitment to innovation and customer engagement. Designed for clarity, usability, and accessibility, the new platform enables more intuitive navigation and deeper insight into the breadth of Endura's capabilities.

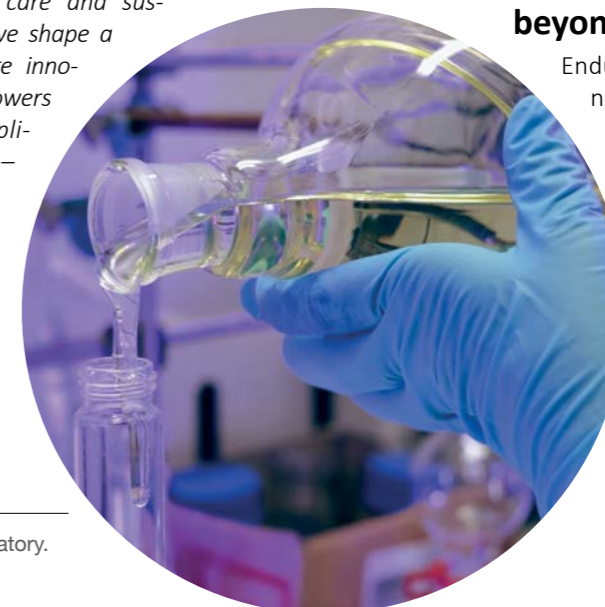
"Digitalisation is a key component of our growth strategy. Our new website enhances communication, making it clearer and more accessible, ensuring our customers have an experience that reflects our high standards," says Vollaro.

A standout feature of the new platform is the Academy – a dedicated blog where Endura shares expert articles and regulatory insights. Curated by its team of specialists, the section empowers clients with practical knowledge to support smarter, more informed business decisions. The refreshed site serves as more than a digital storefront: it is a strategic tool that supports transparency, technical education, and collaboration across the pest control and biocidal product value chains.

The updated platform strengthens Endura's commitment to transparency and knowledge sharing, further cementing its position as an industry leader. This digital transformation aligns with Endura's broader mission: to deliver not just fine chemicals, but complete, science-backed solutions tailored to the unique regulatory and operational needs of clients worldwide.

Endura's commitment beyond chemistry

Endura is recognised not only for delivering high-quality fine chemicals, but also for offering an integrated suite of services that support clients from product concept to commercialisation.



* A global leader in pest control innovation



Endura celebrates 45 years.



Antonio Tozzi, co-founder of Sariaf

Scientific expertise and technical support

Endura's dedicated R&D and Technical Support teams assist clients across the entire product lifecycle – from new product development to formulation optimisation and efficacy improvement. They offer robust analytical, physicochemical, stability, and efficacy support. Endura boasts:

- Over 7,000 tests conducted annually
- 150 analytical QC methods
- A portfolio of 340 validated methods

The company offers ongoing regulatory support to its clients that spans multiple frameworks, including:

- Biocidal Products Regulation (BPR) submissions at both EU and local levels
- CLP, GHS, and dangerous goods labelling and classification
- REACH compliance as per Regulation (CE) No. 1907/2006

With over 300 active substance registrations worldwide, Endura demonstrates deep regulatory competence and global reach.

Integrated logistics and customer care

Endura ensures that its logistics and customer support systems are as reliable as its technical services. Tailored supply chain strategies facilitate efficient, timely, and cost-effective product delivery across international markets. Each client benefits from personalised assistance and prompt service, ensuring smooth day-to-day operations.

A legacy of excellence: the history of Endura S.p.A.

The history of Endura is relatively recent, having been established in 1980, but its origins date back to the 1950s when Antonio Tozzi first cofounded Sariaf, an agro-chemical business in Faenza, Italy, then in 1958 Industria Chimica Tozzi in Idice (BO), Italy, where the first Piperonyl butoxide (PBO) was produced, and finally in 1966 Chimosa in Pontecchio Marconi (BO), Italy. From Chimosa – which was acquired by Ciba-Geigy in 1979 – Endura was born, operating in the sector of active and synergistic ingredients for insecticides.

Chimosa, in addition to antioxidants and UV stabilisers for plastics, produced Piperonyl butoxide (PBO), which is the main synergistic compound for insecticides. Subsequently, in 1979, the production of Tetramethrin (TTM), a synthetic pyrethroid, was added. Both products, PBO and TTM, are significant in the insecticide industry for pest control in household, professional and agricultural environments.

In 1999, the Endura plant at the Chemical Hub of Ravenna, Italy was set up on a greenfield site, to produce Piperonyl butoxide (PBO), shifting from natural to synthetic production, reducing deforestation and improving capacity.

Today, Endura continues to shape the future of the pest control industry by delivering integrated, science-backed solutions that combine regulatory expertise, technical innovation, and customer-centric service on a global scale. ■

All images by Endura S.p.A



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