



# Leading the Way in Sustainable TPO Alternatives for the Future of Energy Curing

The reclassification of TPO (Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide, CAS n. 75980-60-8) is a significant change within the energy curing industry, as it directly impacts product formulation, regulatory compliance, and market dynamics.

TPO has been reclassified as Reproductive Toxicity Category 1B and was added to the EU REACH Candidate List for Authorization as a Substance of Very High Concern (SVHC) on June 14, 2023. This classification is based on its reproductive properties under Article 57(c). In response, iGM Resins has updated the EU Safety Data Sheets (SDS) to reflect this change.



## Commitment to Safety and Regulatory Compliance

While some industry members may express concerns about reclassification of TPO, these issues must be weighed against the long-term benefits of regulatory alignment with health and environmental goals.



At iGM Resins, we prioritize the safety of chemicals. Our dedicated team of experts works diligently to ensure that our products comply with regional and international legislation, promoting safer usage across all applications.

This commitment reflects our responsibility to our customers, the environment, and the future of the energy curing industry.

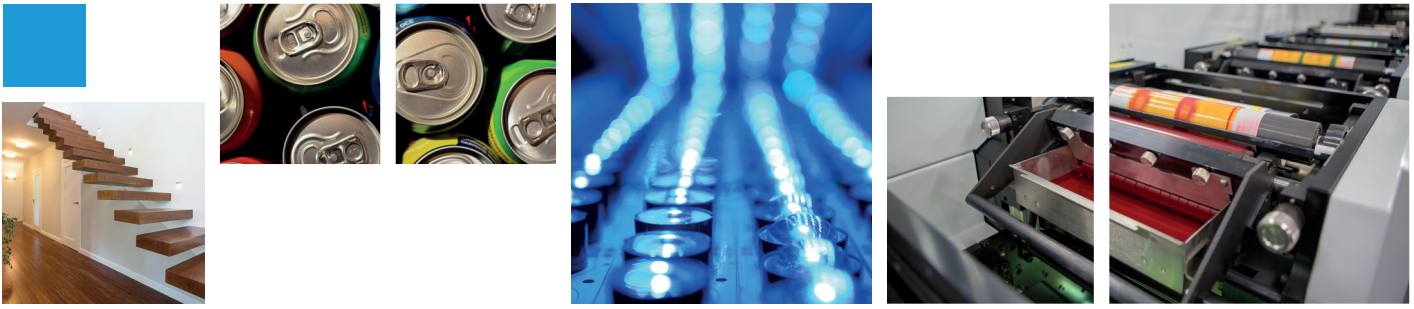


## Long-Term Solutions for the Energy Curing Industry

iGM Resins is dedicated to providing reliable and durable solutions that meet regional regulations, such as REACH, while addressing the broader future needs of the energy curing industry.

Short-term shifts to adjacent chemistries may offer temporary relief but risk becoming regrettable substitutes in the long run, with the potential for future reclassification.

Our focus remains on developing long-term, effective solutions.



Our main alternatives to TPO include:

- [Omnirad TPO-L](#) : Primarily for clear coatings and digital inks.
- [Omnirad 380](#) : Predominantly used in offset and flexographic inks. By combining Omnirad 380 with synergistic photoinitiators such as [Esacure KIP 150](#), or [Esacure KIP 100E](#), we enable cost-in-use reduction, high curing effectiveness, and improved color stability with minimized yellowing.
- [Omnipol TP](#) : Its high molecular weight and low migration potential makes the product suitable for use in sensitive applications, offering low shrinkage and high heat resistance properties.

Each application is unique and requires customized adjustment to meet specific needs. Our team of experts is available to assist you in transitioning to more sustainable solutions that are tailored to fit your needs.



## Future Developments at iGM Resins

The reclassification of TPO is seen as an opportunity to innovate and shape the future of the energy curing industry.

We are focused on developing sustainable, high-performance alternatives that meet regulatory standards while reducing environmental impact.

Through advanced R&D, we aim to combine safety, compliance, and technological excellence in our next-generation photoinitiators.



## Going further with iGM Resins

The reclassification of TPO is a pivotal moment for the energy curing industry, presenting an opportunity to prioritize safety, innovation, and sustainability. We are committed to supporting our partners in navigating this transition by offering expert guidance and tailored solutions that align with regulatory requirements and performance needs.

We invite you to collaborate with our team of specialists to explore reliable alternatives and ensure a seamless shift toward the future of energy curing.

Contact us today to discuss how we can help you achieve your goals.

## Contact us

IGM Resins B.V.  
 Gompensstraat 49  
 5145 RM Waalwijk,  
 The Netherlands  
 T: +31 416 316657  
[sales@igmresins.com](mailto:sales@igmresins.com)  
[www.igmresins.com](http://www.igmresins.com)

