

# LogsDay Analyzes Why the EU Banned TPO Nail Polish — What Consumers and Salons Need to Know

*EU bans TPO nail polish over safety concerns. LogsDay explains risks, safer alternatives, and what salons & consumers should do next.*

PUNE, MAHARASHTRA, INDIA, September 18, 2025 / EINPresswire.com/ -- [LogsDay](#), a renowned online publication, published a detailed report explaining [why the EU banned TPO in nail polish](#), what this means for nail polish lovers, salons, and global consumers, and what alternatives are now available.

The ban on TPO (trimethylbenzoyl diphenylphosphine oxide) marks a significant change in cosmetic regulation across Europe, with strong implications for beauty industry safety, ingredient transparency, and consumer awareness.



Why the EU Banned TPO: Science, Safety & What It Means for Nail Polish Lovers

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Consumers deserve to know exactly what is in their nail products,”

*Lara Singh, founder of Pure Nail Artistry, Mumbai*

LogsDay

TPO is a chemical ingredient used in gel nail polish. It helps nail gels harden under UV lamps, giving strength, gloss, and long wear. Salons appreciate it because it cures quickly and gives a professional finish. Consumers like it for durable, bright nail colour. However, the European Union has banned TPO in nail polish as of 2025. This is due to

safety concerns. Studies showed that TPO could damage DNA in certain laboratory conditions. Under the EU’s hazard-based regulatory approach, even possible harm in lab tests triggers a ban.

LogsDay is a leading online publication providing news and analysis on various topics.

- All nail polishes that contain TPO cannot be sold in the EU anymore. Salons in EU countries must stop using TPO-based nail gels immediately.
- For shoppers, especially outside the EU, many products may still list TPO. Online stores may continue to ship TPO-containing polishes to non-EU regions. Consumers are urged to read ingredient labels carefully.
- The shift away from TPO forces beauty brands to reformulate gel nail polish products, invest in safety testing, and clearly label products. This supports demand for TPO-free gel nail polish, safer nail polish alternatives, HEMA-based nail gels, and hazard-free nail polish ingredients.

Beauty brands are adapting quickly to the ban on TPO.

Many beauty and cosmetic brands are adapting quickly. Two main paths are emerging:

1. HEMA-based nail gels: Many salons are switching to HEMA (hydroxyethyl methacrylate)-based formulations. While HEMA also has some sensitization risk (allergies for sensitive users), it is widely accepted and better studied.
2. New curing agents and TPO-free / HEMA-free blends: Some brands now label products explicitly as “TPO-free” or “safe curing agents” and are developing new light-curing systems with improved safety profiles. Hybrid nail polishes that are neither fully gel nor regular polish are also gaining in popularity.

Experts say that for most users, risk is low if the polish is used correctly and infrequently. The chemical sits on the nail plate, not deeply in the skin. Still, regulatory bodies prefer caution and preemptive action when lab evidence suggests possible harm.

Regulatory bodies are taking action on TPO.

“TPO is a known sensitizer and can cause allergic reactions. It is not safe for use in nail products, and we urge consumers to avoid products containing TPO,” said Dr. Avril Mehta, a toxicologist and regulatory specialist at the European Institute for Cosmetic Safety.

“Consumers should look for products that are labeled ‘TPO-free’ or ‘safe curing agents’ and avoid products that contain TPO,” added Lara Singh, cosmetologist and founder of Pure Nail Artistry, Mumbai.

“TPO is a known sensitizer and can cause allergic reactions. It is not safe for use in nail products, and we urge consumers to avoid products containing TPO,” commented Julien Marchand, CEO of Lumière Beauty Supplies, Paris.



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