

New EU Formaldehyde Limit: TOPSUN Silicone Leather Needs No Reformulation

New EU REACH: TOPSUN

zero-formaldehyde silicone leather complies with 0.062 mg/m³ requirement, no reformulation for furniture & auto interiors.

SHENZHEN CITY, GUANGDONG PROVINCE, CHINA, August 14, 2026 /EINPresswire.com/ -- New EU rules limiting [formaldehyde emissions](#) for furniture and wood-based articles came into force August 6 2026. Any product exceeding 0.062 mg/m³ formaldehyde emission is banned from the EU marketplace. TOPSUN Silicone Leather Co., Ltd. delivers formaldehyde-free material containing no formaldehyde releasers or crosslinkers, meeting the new regulatory limit without reformulation.

Set out in Entry 77 of REACH Annex XVII under Commission Regulation (EU) 2023/1464, the regulation classifies formaldehyde as a Category 1B carcinogen. Furniture and wood articles must comply with the 0.062 mg/m³ emission limit; other indoor articles follow a 0.080 mg/m³ threshold. A second compliance phase will extend the 0.062 mg/m³ limit to vehicle interiors from 6 August 2027, tested to ISO 12219-1.

Conventional synthetic leather manufacturing often relies on formaldehyde-containing crosslinkers and finishing resins. The updated EU limit of 0.062 mg/m³ is roughly half the widely adopted E1-grade benchmark (0.124 mg/m³, EN 717-1). Many products previously passing E1-grade testing will no longer satisfy Europe's tighter emission requirements.



TOPSUN's modern factory workshop maintained to cleanroom standards



Finished rolls of TOPSUN eco-friendly silicone leather ready for global shipment

[TOPSUN produces silicone leather](#) using a solvent-free dry-coating process. No formaldehyde, formaldehyde releasers or crosslinkers are introduced during production. This chemistry eliminates core VOC-emission sources. The material completes REACH SVHC screening for more than 200 restricted substances and holds ISO 10993-5 biocompatibility certification.

“Europe’s formaldehyde rules are rewriting material-sourcing strategies for brands supplying furniture and automotive interiors,” commented Dr. Feng, Director of Materials Engineering at TOPSUN. “Cost-driven buyers relying on conventional leather are hitting a compliance wall. Our silicone leather is inherently formaldehyde-free. Customers face no reformulation work and no extra testing burden to satisfy the 0.062 mg/m³ requirement.”

According to QYR Research, the global silicone-leather market is forecast to expand from USD 217 million (2023) to USD 536 million by 2030, representing a 14.0% compound annual growth rate. Stricter global controls over formaldehyde, PFAS and other substances of concern are boosting adoption of inherently compliant materials within furniture, automotive and medical applications.

Interested buyers can obtain compliance documents and product samples through TOPSUN’s [eco-friendly material solutions](#) product webpage.

About TOPSUN

TOPSUN, established in 2018, specializes in the R&D, manufacturing, and sales of silicone vegan leather with an annual capacity of 6 million square meters. Our products hold ISO, REACH, PAHs, FAR, and FDA certifications, featuring eco-friendly, infant-safe, antimicrobial, stain-resistant, weather-proof, abrasion-resistant, and inherently flame-retardant properties. We serve industries including furniture & sofa, automotive interiors, baby & kids, 3C accessories, fashion & sports, medical & healthcare, and marine & outdoor.

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