

MEKO FREE ANTI-SKINNING AGENTS



MEKO (methyl ethyl ketoxime) has traditionally been used as an anti-skinning agent in alkyd and other solvent-based coatings, preventing premature surface film formation during storage and maintaining coating quality and stability. It is also widely applied as a blocking agent in isocyanate systems. However, in November 2023, the European Union classified MEKO as a **Class 1B carcinogen**, significantly impacting its continued use in paints, coatings, and adhesives across global markets.

To support manufacturers in transitioning to safer and regulatory-compliant formulations, **SiSiB® PB2002 (MIBKO, Methyl Isobutyl Ketoxime)** and **SiSiB® PB2019 (MPKO, 2-PO, 2-Pentanone Oxime)** offer high-performance MEKO-free alternatives designed for modern solvent-based coatings. These products provide excellent anti-skinning efficiency, strong compatibility with alkyd systems, and stable performance during both storage and application.

Both **SiSiB® PB2002** and **SiSiB® PB2019** can replace MEKO in a **1:1 ratio**, providing formulators with drop-in solutions that maintain coating performance without compromising safety. With lower toxicity and improved environmental acceptability, these products help formulators meet EU REACH regulations while ensuring high-quality, compliant, and future-ready coating systems.

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PB2002
MIBKO



PB2019
2-PO

MEKO（甲乙酮肟）长期以来被广泛用于醇酸及其他溶剂型涂料中，作为抗结皮剂防止涂料在密闭储存过程中形成表面膜，从而保持涂层的稳定性与涂装品质。此外，MEKO 也常用作异氰酸酯体系中的封闭剂。然而，自 2023 年 11 月起，欧盟已将 MEKO 列为 **1B 类致癌物质**，这一监管变化对全球涂料、油墨及胶粘剂行业产生了深远影响。

为帮助涂料制造商顺利完成替代升级，实现法规合规与产品安全性提升，**SiSiB® PB2002（MIBKO，甲异丁酮肟）与 PB2019（2-PO，2-戊酮肟）** 为现代溶剂型涂料体系提供了卓越的 MEKO-Free 抗结皮剂解决方案。两款产品具有优异的防皮效果，与醇酸树脂体系相容性极佳，并在储存及施工过程中保持稳定一致的表现。

SiSiB® PB2002 与 PB2019 均可按 **1:1 比例** 直接替代 MEKO，实现无缝过渡，同时显著降低毒性风险并提升环境友好性。使用这两款产品，配方工程师能够更轻松满足欧盟 REACH 的监管要求，同时打造更安全、更高效、更具市场竞争力的涂料体系。