



Vinyl Rejuvenator

Airable Research Lab has formulated a vinyl rejuvenator. The soy-based compound restores the pliability of vinyl products such as vehicle seats, trim, and dashboards. The formulation is attractive, with no artificial colors or fragrances, and remains clear and stable in a range of environments.

TECHNOLOGY

This vinyl rejuvenator is a specialized restoration treatment designed to penetrate the porous surface of aged, oxidized, hardened, or sun-damaged vinyl to restore its original flexibility and luster. Unlike standard treatments that simply coat the material, the Airable product is a true rejuvenator that utilizes natural oil esters to penetrate and replenish lost plasticizers, reintroducing flexibility to the vinyl. The product's low surface tension improves wettability and ability to permeate the vinyl, and the silicone-free formulation rejuvenates the vinyl without creating a slippery surface. In addition, bioderived surfactants act as heavy-duty cleaners, removing oils and grime and restoring color.

This cost-effective formulation comprises an estimated 93% bioderived ingredients, greatly exceeding the minimum bio-content of 55% that qualifies products for USDA bio-preferred status. The rejuvenator contains no compounds that can damage vinyl over time (e.g., sodium hydroxide) or pose environmental or safety risks (e.g., VOCs). The Airable product is also free of sulfates, phthalates, and ammonia.