

Safer Windshield Washer Fluid Products

Taylor, Shane, Perry, Sarah, Langer, Mathew, Morose, Gregory

Methanol is a toxic chemical used as a major ingredient in most automotive windshield washer fluid products. TURI, UMass Amherst faculty and students have worked with ITW Polymers Sealants to conduct research on safer alternative chemicals to replace methanol in windshield washer fluid products. The alternative formulation should be no more than 35% VOC by weight, be less toxic than methanol, provide freeze protection to -25 degrees F, clean streak-free, and be effective at removing road grime, film, tree sap, and bugs.