The Lethal Effects of Hexafluoropropylene Oxide Dimer Acid on Daphnia magna

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Little is known about the potential effects of “GenX’s” release into the Cape Fear River Basin. As stated by Rachel Carson “If we are going to live so intimately with these chemicals - eating and drinking them, taking them into the very marrow of our bones - we had better know something about their nature and their power.” Research has been published recording the substances in rivers and oceans around the world, yet no one knows how the substance affects aquatic and terrestrial ecosystems. This study found the Lethal Effect Concentration 50 of Hexafluoropropylene Oxide Dimer Acid “GenX” for Daphnia magna at 24 (270mg/l) and 48 hours (74 mg/L).

Awards Won:

Fourth Award of $500