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(54) Title: COMPOSITION AND METHOD FOR REMEDIATION OF PFAS CONTAMINANTS

(57) Abstract: The remediation solution for PFAS contaminants and for C₄-C₁₂ variants of these PFAS contaminants is made of an aqueous solution comprising 4% of a blend of IVEY surfactants, and 0.20% by volume of ethanol. Ethanol is a reagent in the solution. The blend of IVEY surfactants has molecules with an extendable hydrophilic portion. The remediation solution is reducing the capillary effect of a soil, increasing soil drainage. The remediation solution reduces water molecule clustering and reduces interfacial surface tension of water and PFAS contaminants. In use in the decontamination of AFFF manufacturing equipment, the remediation solution and method described herein has achieved a contamination reduction of 99.99998% on twelve analytes of PFAS.



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