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(54) **Title:** MULTI-COMPONENT ENCAPSULATED REACTIVE FORMULATIONS

(57) **Abstract:** The present invention provides a multi-component encapsulated reactive formulation comprising a mixture of two or more dry powder components, where each dry powder component is formed from a phase inversion process involving vigorous mixing. The dry powder is stabilized by hydrophobic colloidal particles, which assist in generating stable "dry water" microdroplets. One dry powder component comprises hydrophobic colloidal particles encapsulating microdroplets comprising an aqueous solution of one reactant, and the at least one other dry powder component comprises hydrophobic colloidal particles encapsulating microdroplets comprising an aqueous solution of another reactant. When the encapsulated formulation is agitated such that the encapsulates are broken, the encapsulates rupture and the two aqueous solutions undergo a reaction upon contact.



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