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(54) Title: COMPOSITIONS FOR SUSTAINED RELEASE OF A GAS

(57) Abstract

A composite for retarding microbiological contamination containing a hydrophobic material containing an acid releasing agent, and a hydrophilic material containing anions that are capable of reacting with hydronium ions to generate gas. The hydrophilic and hydrophobic materials are adjacent and substantially free of water, and the hydrophilic material is capable of generating and releasing the gas after hydrolysis of the acid releasing agent.

