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(54) Title: LOW MOLECULAR WEIGHT BRANCHED POLYAMINES FOR DELIVERY OF BIOLOGICALLY ACTIVE MATERIALS

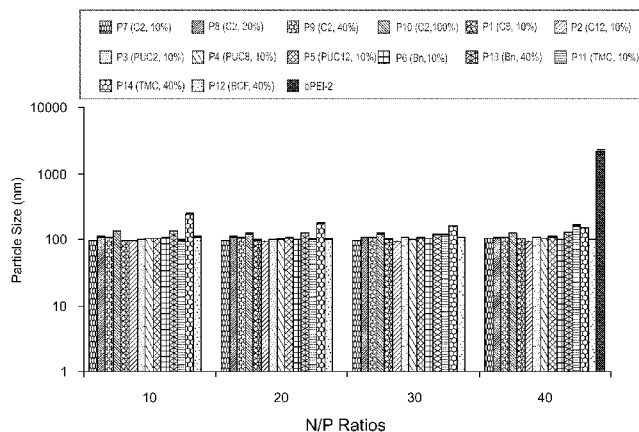
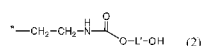


FIG. 1

(57) Abstract: A branched polyamine comprises about 8 to about 12 backbone tertiary amine groups, about 18 to about 24 backbone secondary amine groups, a positive number n' greater than 0 of backbone terminating primary amine groups, and a positive number q greater than 0 of backbone terminating carbamate groups of formula (2); wherein $(n'+q)$ is a number equal to about 8 to about 12, the starred bond of formula (2) is linked to a backbone nitrogen of the branched polyamine, L' is a divalent linking group comprising 3 to 30 carbons, and $q/(n' + q) \times 100\%$ equals about 9% to about 40%.





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