

Environmentally Benign, Low Cost Initiator Systems for Cationic Polymerization

These have been only explored in a very cursory manner. The initiator systems range from completely homogeneous materials that function in aliphatics, to heterogeneous that function in aliphatics (and for some variants, require chlorinated media). Some of these systems could be useful for the preparation of low and possibly high MW polymers; however, to date experiments have focused on polymerization of styrene. All initiator components are of very low cost and potentially recyclable and most are of low toxicity to the point where they could be ingested.

Cost = \$50k (Stage 1)

Likelihood of Success = 8.5

Earning Potential = High

Return on Investment = Royalty in exchange for IP rights, Terms Open to Negotiation.