6	2.02	1	-	1	-	8	-
7	2.04	0.5	-	-	-	9.5	-
8	2.03	-	-	0.5	-	9.5	-

[0047] After preparation, each vial was placed in a sonicator for ten minutes. The vials were then placed in an oven at 110 °C. The vials were removed from the oven after about forty-five minutes. It was observed that vials 1, 4, 5, and 7 flowed the easiest while vials 2, 3, and 8 flowed slightly less. Only vial 6 was observed to have packed and settled fines at the bottom. The vials were placed back into the oven. After a total of four hours in the oven, the vials were taken out, observed, and allowed to cool overnight. While hot, the vials did not show a perceptible difference. After about fifteen hours, the zeolite from each vial was removed and placed on a paper towel to remove excess solution and thereafter transferred to individual watch glasses. Although difficult to determine for every sample, the overall amount of residue removed was found to be least for vial 4, and second least for vials 1 and 2. Due to the difficulty in determining the remaining vials by visual inspection, two alternate rankings were performed. The first ranked the vial solutions' effectiveness in order based on flow of residue, from most to least flow, and the ranking was as such: vial $4>5 > 3 = 7 > 6 > 1 \geq 2 > 8$. The second ranking examined how the treated catalyst behaved in solution. For this, each sample of zeolite was placed back into the respective vial, and the cold cohesive behaviors were found to be in order of least cohesive to most cohesive to be $4 \leq 1 \leq 2 < 5 \approx 6 < 3 \approx 7 < 8$. The vials were allowed to sit undisturbed for approximately 2.5 weeks after which the vials were each carefully tilted to about 75°, and the zeolite behavior was observed. It was found that vials 1, 2, and 3 easily flowed off the vial bottom; vials 4, 6, and 8 had about 1/3 of the zeolite stick to the vial bottom; and vials 5 and 7 had a majority of the zeolite stay on the vial bottom and remain in place.

[0048] It should be understood that the compositions and methods are described in terms of "comprising," "containing," or "including" various components or steps, the compositions and methods can also "consist essentially of" or "consist of" the various components and steps. Moreover, the indefinite articles "a" or "an," as used in the claims, are defined herein to mean one or more than one of the element that it introduces.

[0049] For the sake of brevity, only certain ranges are explicitly disclosed herein. However, ranges from any lower limit may be combined with any upper limit to recite a range not explicitly recited, as well as, ranges from any lower limit may be combined with any other