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(54) Title: METHOD FOR PREVENTION OF FOULING IN BASIC SOLUTION BY INHIBITING POLYMERIZATION AND SOLUBILIZING DEPOSITS USING LACTAMS OR AMINO ACIDS

(57) Abstract: A method for inhibiting and dissolving the deposits formed on caustic or alkaline scrubbers used in scrubbing acidic gases such as carbon dioxide, hydrogen sulfide, which are formed during the pyrolytic cracking of naphtha, ethane, and propane. The cracking operations produce certain oxygenated compounds such as vinyl acetate or acetaldehyde, which undergo polymerization under alkaline condition. The vinyl acetate on hydrolysis releases acetaldehyde under alkaline conditions. Amino acids such as 6 amino caproic acid and lactams such as epsilon caprolactam not only prevent but also dissolve the polymers formed by aldol condensation.



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